



**CONESTOGA-ROVERS
& ASSOCIATES**

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December 11, 2008

Reference No. 038443

Ms. Karen Cibulskis
Remedial Project Manager
United States Environmental Protection Agency
Region V
77 West Jackson Boulevard
Mail Code SR-6J
Chicago, IL 60604

EPA Region 5 Records Ctr.



313833

Dear Ms. Cibulskis:

Re: Results of the Test Pit/Test Trench Investigation
South Dayton Dump and Landfill Site Moraine, Ohio (Site)

This letter report summarizes the South Dayton Dump and Landfill Potentially Responsible Party Group's (PRP Group's) approach and results for the Test Pit/Test Trench Investigation at the Site. Conestoga-Rovers & Associates (CRA) has prepared this letter report on behalf of the PRP Group.

The Test Pit/Test Trench Investigation was completed in accordance with the Test Pit/Test Trench Investigation Letter Work Plan (Letter Work Plan) dated May 9, 2008, the final draft of which was conditionally approved by the United States Environmental Protection Agency (USEPA) on May 6, 2008 pending final changes which were completed on May 9, 2008.

Changes to the scope of work in the Letter Work Plan were approved by USEPA during a conference call on September 23, 2008, and documented in an electronic mail message from CRA to USEPA on September 24, 2008.

A Site Plan showing proposed and actual locations of test pits and test trenches is provided on Figure 1.

The objectives of the test pit and test trench excavation and sampling were as follows:

- collect data to assist in identifying the nature and delineating the extent of various types of landfilled materials above the water table;
- collect data to assist in characterizing landfill materials above the water table;
- collect data to assist in characterizing leachate from unsaturated landfilled materials;

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- assess areas of the Site previously identified as specific areas of concern [i.e., Valley Asphalt drum removal area, Valley Asphalt former underground storage tank (UST) area (a.k.a. Dayton Recycling), Custom Delivery UST area, Lot 4423, etc.]; and
- identify Site areas, which may require further investigation.

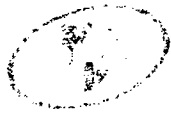
The Test Pit/Test Trench Investigation began on September 23, 2008 and was completed on October 8, 2008. Test pits and test trenches were proposed in locations where the PRP Group wanted to collect additional information about the depth and nature of the fill above the water table. The information was used to verify the limits of fill and to assist in characterizing the nature of the fill materials present in the areas investigated.

Air monitoring was conducted continuously during the Test Pit/Test Trench Investigation, using a 4-gas meter, and photoionization detector (PID). The maximum readings from the 4-gas meter were: 7 parts per million (ppm) hydrogen sulfide (H_2S), 11 percent lower explosive limit (LEL), 21.3 percent oxygen (O_2), and 70 ppm carbon monoxide (CO). The maximum air space reading recorded using the PID was 87.8 ppm, which necessitated a switch to Level B personal protective equipment (PPE) as discussed further below. Radiation monitoring was conducted intermittently during the Test Pit/Test Trench Investigation using a Victoreen Survey Meter Model 450P. The maximum radiation level of 42 microroentgens per hour ($\mu R/hr$) was measured during a pre-scan of TP-5. The radiation levels were typical of background radiation levels measured at the Site during Site clearing activities.

TEST PIT AND TEST TRENCH EXCAVATION SUMMARY

The locations of the test pits and test trenches were finalized based on the results of the geophysical investigation and field observations. The nature and depth of fill material above the water table or within the limit of the excavator's reach, where the water table was not reached, were visually identified and recorded. Test trenching focused on the perimeter of the PRP Group's preliminary direct contact presumptive remedy area, as defined in the Remedial Investigation/Feasibility Study (RI/FS) Statement of Work (SOW), and the area immediately beyond the perimeter. In addition, test trenching assisted in identifying and characterizing fill material at locations along the western embankment of the Site. Excavations were completed to the depth of the water table, where possible (as limited by the ability of the excavator to reach the depth of the water table, the stability of the walls of the excavation, and/or the presence of obstructions). When an obstruction was encountered during the excavation of a test pit or test trench, the location of the test pit or test trench was adjusted to avoid the obstruction.

Six test pits were excavated in the central portion of the Site. The minimum test pit dimensions were approximately 12 feet long by 5 feet wide, and extended to the water table, where possible. Test Pits TP4 to TP6 were not completed to the depth of the water table, as the limit of



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the excavator was reached in each test pit. The reach of the excavator ranged from 18 to 25 feet below ground surface (ft bgs) dependent on surface topography

Twenty-two test trenches were excavated throughout the Site (TT1 -TT23, TT6 was not excavated, see below). The minimum test trench dimensions were approximately 11 feet long by 4 feet wide, and extended to the water table and horizontally to the visual limit of fill, where possible. Where the horizontal limit of fill was not determined in any planned test trench, to the extent practical (i.e., where not impeded by the presence of surface structures, property boundaries, unstable slopes or side walls, buried structures, etc.), the test trenches were resituated or test trench lengths were extended to attempt to visually locate the edge of the fill. This visual limit (both lateral and vertical) was determined by the presence of undisturbed native soil in the excavation.

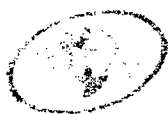
The nature and depth of fill material were visually identified and recorded. The procedures and equipment used to excavate test trenches and visually characterize the fill materials are detailed in the Final Test Pit/ Test Trench Investigation Letter Work Plan and Section 2.5.1 of the Field Sampling Plan (FSP).

Deviations from the Final Test Pit/Test Trench Investigation Letter Work Plan are detailed below.

Test Trench TT-6 was abandoned at a depth of 2 ft bgs over concerns about the unknown locations of buried PVC drainage pipes for a weigh scale pit on the Valley Asphalt site (Lot Number 5054).

Test trenches TT-8 to TT-12 were excavated to the east fenced boundary of the Site. Based on visual observations of the Site surface, fill material was expected to extend beyond the east fenced boundary of the Site, onto the properties along Dryden Road. To confirm that the fill material extended to the fence, CRA excavated as close to the fence as possible (i.e., where not impeded by the presence of power lines). The thickness of the fill material at TT8 through TT-12 was between 11 and more than 22 ft. Given the significant thickness of the fill material at the fence line, the fill material is expected to extend well past the fence line. Excavation of TT8 through TT-12 significantly beyond the fence line was not practical given the presence of structures, buildings, and active utilities on these properties. Additional data with respect to the presence of fill material at the properties along Dryden Road are being obtained through the ongoing Vertical Aquifer Sampling (VAS) investigation. Early stratigraphic data obtained from the VAS borings completed along Dryden Road to date, i.e., VAS-4, VAS-14, and VAS-21, indicate that the fill material extends to Dryden Road.

Test trench TT-13 was not excavated to the visual limits of fill, as it was excavated to the fenced boundary of the Site. A thin layer (less than 4 feet thick) of sand and gravel fill material with some asphalt and brick pieces was encountered up to the fence. Additional data with respect to



the presence of fill material on the properties south of TT-13 are being obtained through the ongoing VAS investigation. TT-13 was excavated to the water table, to a depth of 21 ft bgs.

Initial investigations at the proposed location of test trench TT-14 indicated the presence of fill. The location of TT-14 was shifted to the south-end of the fence separating Parcels 5178 and 5177, in an effort to determine the limit of fill.

Test trench TT-16 was originally excavated at the proposed location (TT-16A on Figure 1); however, fill material was encountered throughout the length of the excavation. A second test trench (TT-16 on Figure 1) was therefore excavated closer to the Quarry Pond and extended to the edge of the Quarry Pond. Fill material was encountered along the edge of Quarry Pond, and it was, therefore, not possible to extend TT-16 any further to the limit of fill. TT-16 and TT-16A were both excavated to the water table.

Test trenches TT-17 and TT-18 were extended to lengths of 45 and 46 feet, respectively. During excavation of TT-17 and TT-18, it was apparent that fill material had been placed throughout the area in which the trenches are located. It is believed that this was done to bring the areas up to grade with the front of the property along East River Road. CRA field technicians, in consultation with EPA oversight staff, decided to stop excavation at TT-17 and TT-18, as further extensions of the trenches were impractical. In the case of TT-17, extension of the trench was unsafe due to the stability of the sidewalls. Additional data with respect to the presence of fill material at the properties along East River Road are being obtained through the ongoing VAS investigation.

Initial investigations at the staked location for the western boundary of test trench TT-20 indicated the presence of 4 ft of fill. The location of TT-20 was moved approximately 35 ft northwest of the original stake. The limit of fill was not reached at TT-20, due to presence of a twinned high-pressure natural gas lines running along the toe of the embankment in this area of Parcel 3056. Vectren, the company that owns the natural gas lines, stipulated that excavation could not occur within 30 ft of the natural gas lines. CRA excavated TT-20 as far to the west as possible without excavating within 30 ft of the natural gas lines.

Test trench TT-21 was located at the edge of the area where, in May and June of 2000, drums were removed from the Valley Asphalt property. Utility locates conducted in the areas of TT-21 and TT-22 prior to excavation, noted numerous 'reflections' and potential metal responses. Fill, consisting of sand, gravel, concrete debris, bricks, scrap metal, and glass, was encountered throughout the majority of TT-21. At the southern end of the trench, close to a shed on the property, CRA encountered a drum at 7 ft bgs and noted strong odors were present. PID readings of approximately 307 ppm were recorded in the area immediately above the soil. PID readings of 87.8 ppm were recorded in the breathing zone, requiring a transition to Level B PPE for the soil sampling and backfilling activities. The mostly intact drum was filled with a solid, sandy material. The drum was sampled for bulk analysis, as well as waste characterization



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Test Pits:

The majority of the test pit samples were collected at subsurface soil depths greater than 2 ft bgs. One surface soil sample was collected from Test Pit TP-2, at a depth of 1 ft bgs.

One or more metals (primarily arsenic) concentrations in soil samples from all test pits were greater than USEPA Region 9 RSL Residential and Industrial criteria.

PAH concentrations in soil samples collected from test pits TP-1 and TP-3 were greater than Industrial criteria. PAH concentrations in soil samples collected from test pits TP-1, TP-2, TP-3, TP-4, and TP-5 were greater than Residential criteria.

PCB concentrations in soil samples collected from TP-1 and TP-5 were greater than Residential and Industrial criteria.

The concentration of chlorobenzene in TP-3, at a depth of 16 ft bgs, was greater than the USEPA Region 9 RSL Residential criteria.

The concentration of dieldrin in TP-5, at a depth of 12 ft bgs, was greater than USEPA Region 9 RSL Residential criteria.

Test Trenches:

All test trench samples were collected at subsurface soil depths at or greater than 2 ft-bgs.

The concentrations of one or more metals (primarily arsenic) in all test trenches were greater than Residential and Industrial criteria.

The concentrations of PAHs in TT-4, TT-5, TT-7, TT-11, TT-14, TT-16, TT-17, TT-20, and TT-22 were greater than Industrial criteria. The concentrations of PAHs in TT-2, TT-3, TT-4, TT-5, TT-7, TT-8, TT-10, TT-11, TT-12, TT-13, TT-14, TT-16, TT-17, TT-18, TT-19, TT-20, TT-21, and TT-22 were greater than Residential criteria.

The concentrations of PCBs in TT-7, TT-9, TT-19, and TT-21 were greater than Industrial criteria. The concentrations of PCBs in TT-3, TT-4, TT-5, TT-7, TT-8, TT-9, TT-19, and TT-21 were greater than Residential criteria.

The concentrations of VOCs in TT-9, TT-21, and TT-22 were greater than Industrial criteria. The concentrations of VOCs in TT-9, TT-20, TT-21, and TT-22 were greater than Residential criteria.



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The concentration of dieldrin (pesticides) in TT-9 and TT-21 were greater than Industrial criteria. The concentrations of pesticides in TT-4, TT-7, TT-9, TT-19, and TT-21 were greater than Residential criteria.

The data presented above will be used along with the data collected during the other investigative activities being completed at the Site in the formulation and analysis of alternatives in a Feasibility Study.

The data provide valuable information regarding the extent and types of waste present at the Site and will be used in the FS to verify the limits and types of fill for cap types and dimensions and to provide a range of suitable cap construction alternatives. A fill map will be generated using the data from the Test Pit/Test Trench Investigation and data collected during other investigations completed at the Site.

Should you have any questions on the above, please do not hesitate to contact us.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Stephen M. Quigley

VC/ca/51

Encl.

c.c. Matt Mankowski, USEPA (PDF)
Matt Justice, Ohio EPA (PDF)
Brett Fishwild, CH2M Hill (PDF)
Scott Blackhurst, Kelsey Hayes Company (PDF)
Wray Blattner, Thompson Hine (PDF)
Ken Brown, ITW (PDF)
Jim Campbell, Engineering Management Inc. (PDF)
Tim Hoffman, Dinsmore & Scholl (PDF)
Paul Jack, Castle Bay (PDF)
Robin Lunn, Winston & Strawn (PDF)
Roger McCready, NCR (PDF)
Karen Mignone, Pepe & Hazard (PDF)

TABLE 1
ADDITIONAL ANALYSIS AT 90% RESOLUS
2000 TEST RESULTS (PERCENTAGE OF
SOUTH AFRICAN EMPLOYMENT)
MURKIN, 1990

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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TABLE 1
SUMMARY OF ANALYTICAL SOIL RESULTS
2004 TEST PIT / TEST TRENCH INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL
MORaine, OHIO

	TP 1	TP 2	TP 3	TP 4	TP 5	TP 6	TP 7	TP 8	TP 9	TP 10	TP 11	TP 12	TP 13	TP 14	TP 15	TP 16	TP 17	TP 18	TP 19	TP 20	TP 21	TP 22	TP 23	TP 24	TP 25	TP 26	TP 27	TP 28	TP 29	TP 30	TP 31	TP 32	TP 33	TP 34	TP 35	TP 36	TP 37	TP 38	TP 39	TP 40	TP 41	TP 42	TP 43	TP 44	TP 45	TP 46	TP 47	TP 48	TP 49	TP 50	TP 51	TP 52	TP 53	TP 54	TP 55	TP 56	TP 57	TP 58	TP 59	TP 60	TP 61	TP 62	TP 63	TP 64	TP 65	TP 66	TP 67	TP 68	TP 69	TP 70	TP 71	TP 72	TP 73	TP 74	TP 75	TP 76	TP 77	TP 78	TP 79	TP 80	TP 81	TP 82	TP 83	TP 84	TP 85	TP 86	TP 87	TP 88	TP 89	TP 90	TP 91	TP 92	TP 93	TP 94	TP 95	TP 96	TP 97	TP 98	TP 99	TP 100	TP 101	TP 102	TP 103	TP 104	TP 105	TP 106	TP 107	TP 108	TP 109	TP 110	TP 111	TP 112	TP 113	TP 114	TP 115	TP 116	TP 117	TP 118	TP 119	TP 120	TP 121	TP 122	TP 123	TP 124	TP 125	TP 126	TP 127	TP 128	TP 129	TP 130	TP 131	TP 132	TP 133	TP 134	TP 135	TP 136	TP 137	TP 138	TP 139	TP 140	TP 141	TP 142	TP 143	TP 144	TP 145	TP 146	TP 147	TP 148	TP 149	TP 150	TP 151	TP 152	TP 153	TP 154	TP 155	TP 156	TP 157	TP 158	TP 159	TP 160	TP 161	TP 162	TP 163	TP 164	TP 165	TP 166	TP 167	TP 168	TP 169	TP 170	TP 171	TP 172	TP 173	TP 174	TP 175	TP 176	TP 177	TP 178	TP 179	TP 180	TP 181	TP 182	TP 183	TP 184	TP 185	TP 186	TP 187	TP 188	TP 189	TP 190	TP 191	TP 192	TP 193	TP 194	TP 195	TP 196	TP 197	TP 198	TP 199	TP 200	TP 201	TP 202	TP 203	TP 204	TP 205	TP 206	TP 207	TP 208	TP 209	TP 210	TP 211	TP 212	TP 213	TP 214	TP 215	TP 216	TP 217	TP 218	TP 219	TP 220	TP 221	TP 222	TP 223	TP 224	TP 225	TP 226	TP 227	TP 228	TP 229	TP 230	TP 231	TP 232	TP 233	TP 234	TP 235	TP 236	TP 237	TP 238	TP 239	TP 240	TP 241	TP 242	TP 243	TP 244	TP 245	TP 246	TP 247	TP 248	TP 249	TP 250	TP 251	TP 252	TP 253	TP 254	TP 255	TP 256	TP 257	TP 258	TP 259	TP 260	TP 261	TP 262	TP 263	TP 264	TP 265	TP 266	TP 267	TP 268	TP 269	TP 270	TP 271	TP 272	TP 273	TP 274	TP 275	TP 276	TP 277	TP 278	TP 279	TP 280	TP 281	TP 282	TP 283	TP 284	TP 285	TP 286	TP 287	TP 288	TP 289	TP 290	TP 291	TP 292	TP 293	TP 294	TP 295	TP 296	TP 297	TP 298	TP 299	TP 300	TP 301	TP 302	TP 303	TP 304	TP 305	TP 306	TP 307	TP 308	TP 309	TP 310	TP 311	TP 312	TP 313	TP 314	TP 315	TP 316	TP 317	TP 318	TP 319	TP 320	TP 321	TP 322	TP 323	TP 324	TP 325	TP 326	TP 327	TP 328	TP 329	TP 330	TP 331	TP 332	TP 333	TP 334	TP 335	TP 336	TP 337	TP 338	TP 339	TP 340	TP 341	TP 342	TP 343	TP 344	TP 345	TP 346	TP 347	TP 348	TP 349	TP 350	TP 351	TP 352	TP 353	TP 354	TP 355	TP 356	TP 357	TP 358	TP 359	TP 360	TP 361	TP 362	TP 363	TP 364	TP 365	TP 366	TP 367	TP 368	TP 369	TP 370	TP 371	TP 372	TP 373	TP 374	TP 375	TP 376	TP 377	TP 378	TP 379	TP 380	TP 381	TP 382	TP 383	TP 384	TP 385	TP 386	TP 387	TP 388	TP 389	TP 390	TP 391	TP 392	TP 393	TP 394	TP 395	TP 396	TP 397	TP 398	TP 399	TP 400	TP 401	TP 402	TP 403	TP 404	TP 405	TP 406	TP 407	TP 408	TP 409	TP 410	TP 411	TP 412	TP 413	TP 414	TP 415	TP 416	TP 417	TP 418	TP 419	TP 420	TP 421	TP 422	TP 423	TP 424	TP 425	TP 426	TP 427	TP 428	TP 429	TP 430	TP 431	TP 432	TP 433	TP 434	TP 435	TP 436	TP 437	TP 438	TP 439	TP 440	TP 441	TP 442	TP 443	TP 444	TP 445	TP 446	TP 447	TP 448	TP 449	TP 450	TP 451	TP 452	TP 453	TP 454	TP 455	TP 456	TP 457	TP 458	TP 459	TP 460	TP 461	TP 462	TP 463	TP 464	TP 465	TP 466	TP 467	TP 468	TP 469	TP 470	TP 471	TP 472	TP 473	TP 474	TP 475	TP 476	TP 477	TP 478	TP 479	TP 480	TP 481	TP 482	TP 483	TP 484	TP 485	TP 486	TP 487	TP 488	TP 489	TP 490	TP 491	TP 492	TP 493	TP 494	TP 495	TP 496	TP 497	TP 498	TP 499	TP 500	TP 501	TP 502	TP 503	TP 504	TP 505	TP 506	TP 507	TP 508	TP 509	TP 510	TP 511	TP 512	TP 513	TP 514	TP 515	TP 516	TP 517	TP 518	TP 519	TP 520	TP 521	TP 522	TP 523	TP 524	TP 525	TP 526	TP 527	TP 528	TP 529	TP 530	TP 531	TP 532	TP 533	TP 534	TP 535	TP 536	TP 537	TP 538	TP 539	TP 540	TP 541	TP 542	TP 543	TP 544	TP 545	TP 546	TP 547	TP 548	TP 549	TP 550	TP 551	TP 552	TP 553	TP 554	TP 555	TP 556	TP 557	TP 558	TP 559	TP 560	TP 561	TP 562	TP 563	TP 564	TP 565	TP 566	TP 567	TP 568	TP 569	TP 570	TP 571	TP 572	TP 573	TP 574	TP 575	TP 576	TP 577	TP 578	TP 579	TP 580	TP 581	TP 582	TP 583	TP 584	TP 585	TP 586	TP 587	TP 588	TP 589	TP 590	TP 591	TP 592	TP 593	TP 594	TP 595	TP 596	TP 597	TP 598	TP 599	TP 600	TP 601	TP 602	TP 603	TP 604	TP 605	TP 606	TP 607	TP 608	TP 609	TP 610	TP 611	TP 612	TP 613	TP 614	TP 615	TP 616	TP 617	TP 618	TP 619	TP 620	TP 621	TP 622	TP 623	TP 624	TP 625	TP 626	TP 627	TP 628	TP 629	TP 630	TP 631	TP 632	TP 633	TP 634	TP 635	TP 636	TP 637	TP 638	TP 639	TP 640	TP 641	TP 642	TP 643	TP 644	TP 645	TP 646	TP 647	TP 648	TP 649	TP 650	TP 651	TP 652	TP 653	TP 654	TP 655	TP 656	TP 657	TP 658	TP 659	TP 660	TP 661	TP 662	TP 663	TP 664	TP 665	TP 666	TP 667	TP 668	TP 669	TP 670	TP 671	TP 672	TP 673	TP 674	TP 675	TP 676	TP 677	TP 678	TP 679	TP 680	TP 681	TP 682	TP 683	TP 684	TP 685	TP 686	TP 687	TP 688	TP 689	TP 690	TP 691	TP 692	TP 693	TP 694	TP 695	TP 696	TP 697	TP 698	TP 699	TP 700	TP 701	TP 702	TP 703	TP 704	TP 705	TP 706	TP 707	TP 708	TP 709	TP 710	TP 711	TP 712	TP 713	TP 714	TP 715	TP 716	TP 717	TP 718	TP 719	TP 720	TP 721	TP 722	TP 723	TP 724	TP 725	TP 726	TP 727	TP 728	TP 729	TP 730	TP 731	TP 732	TP 733	TP 734	TP 735	TP 736	TP 737	TP 738	TP 739	TP 740	TP 741	TP 742	TP 743	TP 744	TP 745	TP 746	TP 747	TP 748	TP 749	TP 750	TP 751	TP 752	TP 753	TP 754	TP 755	TP 756	TP 757	TP 758	TP 759	TP 760	TP 761	TP 762	TP 763	TP 764	TP 765	TP 766	TP 767	TP 768	TP 769	TP 770	TP 771	TP 772	TP 773	TP 774	TP 775	TP 776	TP 777	TP 778	TP 779	TP 780	TP 781	TP 782	TP 783	TP 784	TP 785	TP 786	TP 787	TP 788	TP 789	TP 790	TP 791	TP 792	TP 793	TP 794	TP 795	TP 796	TP 797	TP 798	TP 799	TP 800	TP 801	TP 802	TP 803	TP 804	TP 805	TP 806	TP 807	TP 808	TP 809	TP 810	TP 811	TP 812	TP 813	TP 814	TP 815	TP 816	TP 817	TP 818	TP 819	TP 820	TP 821	TP 822	TP 823	TP 824	TP 825	TP 826	TP 827	TP 828	TP 829	TP 830	TP 831	TP 832	TP 833	TP 834	TP 835	TP 836	TP 837	TP 838	TP 839	TP 840	TP 841	TP 842	TP 843	TP 844	TP 845	TP 846	TP 847	TP 848	TP 849	TP 850	TP 851	TP 852	TP 853	TP 854	TP 855	TP 856	TP 857	TP 858	TP 859	TP 860	TP 861	TP 862	TP 863	TP 864	TP 865	TP 866	TP 867	TP 868	TP 869	TP 870	TP 871	TP 872	TP 873	TP 874	TP 875	TP 876	TP 877	TP 878	TP 879	TP 880	TP 881	TP 882	TP 883	TP 884	TP 885	TP 886	TP 887	TP 888	TP 889	TP 890	TP 891	TP 892	TP 893	TP 894	TP 895	TP 896	TP 897	TP 898	TP 899	TP 900	TP 901	TP 902	TP 903	TP 904	TP 905	TP 906	TP 907	TP 908	TP 909	TP 910	TP 911	TP 912	TP 913	TP 914	TP 915	TP 916	TP 917	TP 918	TP 919	TP 920	TP 921	TP 922	TP 923	TP 924	TP 925	TP 926	TP 927	TP 928	TP 929	TP 930	TP 931	TP 932	TP 933	TP 934	TP 935	TP 936	TP 937	TP 938	TP 939	TP 940	TP 941	TP 942	TP 943	TP 944	TP 945	TP 946	TP 947	TP 948	TP 949	TP 950	TP 951	TP 952	TP 953	TP 954	TP 955	TP 956	TP 957	TP 958	TP 959	TP 960	TP 961	TP 962	TP 963	TP 964	TP 965	TP 966	TP 967	TP 968	TP 969	TP 970	TP 971	TP 972	TP 973	TP 974	TP 975	TP 976	TP 977	TP 978	TP 979	TP 980	TP 981	TP 982	TP 983	TP 984	TP 985	TP 986	TP 987	TP 988	TP 989	TP 990	TP 991	TP 992	TP 993	TP 994	TP 995	TP 996	TP 997	TP 998	TP 999	TP 1000
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TABLE I
SUMMARY OF ANALYTICAL RESULTS
2004 JENSEN / JENSEN ENVIRONMENTAL
SOUTH DAYTON DUMP AND LAMARLE
MORAIN, OHIO

Parameter	Location	Revised Screening Limit (mg/kg)	Sample 101	Sample 102	Sample 103	Sample 104	Sample 105	Sample 106	Sample 107	Sample 108	Sample 109	Sample 110	Sample 111	Sample 112	Sample 113	Sample 114	Sample 115	Sample 116	Sample 117	Sample 118	Sample 119	Sample 120	Sample 121	Sample 122	Sample 123	Sample 124	Sample 125	Sample 126	Sample 127	Sample 128	Sample 129	Sample 130	Sample 131	Sample 132	Sample 133	Sample 134	Sample 135	Sample 136	Sample 137	Sample 138	Sample 139	Sample 140	Sample 141	Sample 142	Sample 143	Sample 144	Sample 145	Sample 146	Sample 147	Sample 148	Sample 149	Sample 150	Sample 151	Sample 152	Sample 153	Sample 154	Sample 155	Sample 156	Sample 157	Sample 158	Sample 159	Sample 160	Sample 161	Sample 162	Sample 163	Sample 164	Sample 165	Sample 166	Sample 167	Sample 168	Sample 169	Sample 170	Sample 171	Sample 172	Sample 173	Sample 174	Sample 175	Sample 176	Sample 177	Sample 178	Sample 179	Sample 180	Sample 181	Sample 182	Sample 183	Sample 184	Sample 185	Sample 186	Sample 187	Sample 188	Sample 189	Sample 190	Sample 191	Sample 192	Sample 193	Sample 194	Sample 195	Sample 196	Sample 197	Sample 198	Sample 199	Sample 200	Sample 201	Sample 202	Sample 203	Sample 204	Sample 205	Sample 206	Sample 207	Sample 208	Sample 209	Sample 210	Sample 211	Sample 212	Sample 213	Sample 214	Sample 215	Sample 216	Sample 217	Sample 218	Sample 219	Sample 220	Sample 221	Sample 222	Sample 223	Sample 224	Sample 225	Sample 226	Sample 227	Sample 228	Sample 229	Sample 230	Sample 231	Sample 232	Sample 233	Sample 234	Sample 235	Sample 236	Sample 237	Sample 238	Sample 239	Sample 240	Sample 241	Sample 242	Sample 243	Sample 244	Sample 245	Sample 246	Sample 247	Sample 248	Sample 249	Sample 250	Sample 251	Sample 252	Sample 253	Sample 254	Sample 255	Sample 256	Sample 257	Sample 258	Sample 259	Sample 260	Sample 261	Sample 262	Sample 263	Sample 264	Sample 265	Sample 266	Sample 267	Sample 268	Sample 269	Sample 270	Sample 271	Sample 272	Sample 273	Sample 274	Sample 275	Sample 276	Sample 277	Sample 278	Sample 279	Sample 280	Sample 281	Sample 282	Sample 283	Sample 284	Sample 285	Sample 286	Sample 287	Sample 288	Sample 289	Sample 290	Sample 291	Sample 292	Sample 293	Sample 294	Sample 295	Sample 296	Sample 297	Sample 298	Sample 299	Sample 300	Sample 301	Sample 302	Sample 303	Sample 304	Sample 305	Sample 306	Sample 307	Sample 308	Sample 309	Sample 310	Sample 311	Sample 312	Sample 313	Sample 314	Sample 315	Sample 316	Sample 317	Sample 318	Sample 319	Sample 320	Sample 321	Sample 322	Sample 323	Sample 324	Sample 325	Sample 326	Sample 327	Sample 328	Sample 329	Sample 330	Sample 331	Sample 332	Sample 333	Sample 334	Sample 335	Sample 336	Sample 337	Sample 338	Sample 339	Sample 340	Sample 341	Sample 342	Sample 343	Sample 344	Sample 345	Sample 346	Sample 347	Sample 348	Sample 349	Sample 350	Sample 351	Sample 352	Sample 353	Sample 354	Sample 355	Sample 356	Sample 357	Sample 358	Sample 359	Sample 360	Sample 361	Sample 362	Sample 363	Sample 364	Sample 365	Sample 366	Sample 367	Sample 368	Sample 369	Sample 370	Sample 371	Sample 372	Sample 373	Sample 374	Sample 375	Sample 376	Sample 377	Sample 378	Sample 379	Sample 380	Sample 381	Sample 382	Sample 383	Sample 384	Sample 385	Sample 386	Sample 387	Sample 388	Sample 389	Sample 390	Sample 391	Sample 392	Sample 393	Sample 394	Sample 395	Sample 396	Sample 397	Sample 398	Sample 399	Sample 400	Sample 401	Sample 402	Sample 403	Sample 404	Sample 405	Sample 406	Sample 407	Sample 408	Sample 409	Sample 410	Sample 411	Sample 412	Sample 413	Sample 414	Sample 415	Sample 416	Sample 417	Sample 418	Sample 419	Sample 420	Sample 421	Sample 422	Sample 423	Sample 424	Sample 425	Sample 426	Sample 427	Sample 428	Sample 429	Sample 430	Sample 431	Sample 432	Sample 433	Sample 434	Sample 435	Sample 436	Sample 437	Sample 438	Sample 439	Sample 440	Sample 441	Sample 442	Sample 443	Sample 444	Sample 445	Sample 446	Sample 447	Sample 448	Sample 449	Sample 450	Sample 451	Sample 452	Sample 453	Sample 454	Sample 455	Sample 456	Sample 457	Sample 458	Sample 459	Sample 460	Sample 461	Sample 462	Sample 463	Sample 464	Sample 465	Sample 466	Sample 467	Sample 468	Sample 469	Sample 470	Sample 471	Sample 472	Sample 473	Sample 474	Sample 475	Sample 476	Sample 477	Sample 478	Sample 479	Sample 480	Sample 481	Sample 482	Sample 483	Sample 484	Sample 485	Sample 486	Sample 487	Sample 488	Sample 489	Sample 490	Sample 491	Sample 492	Sample 493	Sample 494	Sample 495	Sample 496	Sample 497	Sample 498	Sample 499	Sample 500	Sample 501	Sample 502	Sample 503	Sample 504	Sample 505	Sample 506	Sample 507	Sample 508	Sample 509	Sample 510	Sample 511	Sample 512	Sample 513	Sample 514	Sample 515	Sample 516	Sample 517	Sample 518	Sample 519	Sample 520	Sample 521	Sample 522	Sample 523	Sample 524	Sample 525	Sample 526	Sample 527	Sample 528	Sample 529	Sample 530	Sample 531	Sample 532	Sample 533	Sample 534	Sample 535	Sample 536	Sample 537	Sample 538	Sample 539	Sample 540	Sample 541	Sample 542	Sample 543	Sample 544	Sample 545	Sample 546	Sample 547	Sample 548	Sample 549	Sample 550	Sample 551	Sample 552	Sample 553	Sample 554	Sample 555	Sample 556	Sample 557	Sample 558	Sample 559	Sample 560	Sample 561	Sample 562	Sample 563	Sample 564	Sample 565	Sample 566	Sample 567	Sample 568	Sample 569	Sample 570	Sample 571	Sample 572	Sample 573	Sample 574	Sample 575	Sample 576	Sample 577	Sample 578	Sample 579	Sample 580	Sample 581	Sample 582	Sample 583	Sample 584	Sample 585	Sample 586	Sample 587	Sample 588	Sample 589	Sample 590	Sample 591	Sample 592	Sample 593	Sample 594	Sample 595	Sample 596	Sample 597	Sample 598	Sample 599	Sample 600	Sample 601	Sample 602	Sample 603	Sample 604	Sample 605	Sample 606	Sample 607	Sample 608	Sample 609	Sample 610	Sample 611	Sample 612	Sample 613	Sample 614	Sample 615	Sample 616	Sample 617	Sample 618	Sample 619	Sample 620	Sample 621	Sample 622	Sample 623	Sample 624	Sample 625	Sample 626	Sample 627	Sample 628	Sample 629	Sample 630	Sample 631	Sample 632	Sample 633	Sample 634	Sample 635	Sample 636	Sample 637	Sample 638	Sample 639	Sample 640	Sample 641	Sample 642	Sample 643	Sample 644	Sample 645	Sample 646	Sample 647	Sample 648	Sample 649	Sample 650	Sample 651	Sample 652	Sample 653	Sample 654	Sample 655	Sample 656	Sample 657	Sample 658	Sample 659	Sample 660	Sample 661	Sample 662	Sample 663	Sample 664	Sample 665	Sample 666	Sample 667	Sample 668	Sample 669	Sample 670	Sample 671	Sample 672	Sample 673	Sample 674	Sample 675	Sample 676	Sample 677	Sample 678	Sample 679	Sample 680	Sample 681	Sample 682	Sample 683	Sample 684	Sample 685	Sample 686	Sample 687	Sample 688	Sample 689	Sample 690	Sample 691	Sample 692	Sample 693	Sample 694	Sample 695	Sample 696	Sample 697	Sample 698	Sample 699	Sample 700	Sample 701	Sample 702	Sample 703	Sample 704	Sample 705	Sample 706	Sample 707	Sample 708	Sample 709	Sample 710	Sample 711	Sample 712	Sample 713	Sample 714	Sample 715	Sample 716	Sample 717	Sample 718	Sample 719	Sample 720	Sample 721	Sample 722	Sample 723	Sample 724	Sample 725	Sample 726	Sample 727	Sample 728	Sample 729	Sample 730	Sample 731	Sample 732	Sample 733	Sample 734	Sample 735	Sample 736	Sample 737	Sample 738	Sample 739	Sample 740	Sample 741	Sample 742	Sample 743	Sample 744	Sample 745	Sample 746	Sample 747	Sample 748	Sample 749	Sample 750	Sample 751	Sample 752	Sample 753	Sample 754	Sample 755	Sample 756	Sample 757	Sample 758	Sample 759	Sample 760	Sample 761	Sample 762	Sample 763	Sample 764	Sample 765	Sample 766	Sample 767	Sample 768	Sample 769	Sample 770	Sample 771	Sample 772	Sample 773	Sample 774	Sample 775	Sample 776	Sample 777	Sample 778	Sample 779	Sample 780	Sample 781	Sample 782	Sample 783	Sample 784	Sample 785	Sample 786	Sample 787	Sample 788	Sample 789	Sample 790	Sample 791	Sample 792	Sample 793	Sample 794	Sample 795	Sample 796	Sample 797	Sample 798	Sample 799	Sample 800	Sample 801	Sample 802	Sample 803	Sample 804	Sample 805	Sample 806	Sample 807	Sample 808	Sample 809	Sample 810	Sample 811	Sample 812	Sample 813	Sample 814	Sample 815	Sample 816	Sample 817	Sample 818	Sample 819	Sample 820	Sample 821	Sample 822	Sample 823	Sample 824	Sample 825	Sample 826	Sample 827	Sample 828	Sample 829	Sample 830	Sample 831	Sample 832	Sample 833	Sample 834	Sample 835	Sample 836	Sample 837	Sample 838	Sample 839	Sample 840	Sample 841	Sample 842	Sample 843	Sample 844	Sample 845	Sample 846	Sample 847	Sample 848	Sample 849	Sample 850	Sample 851	Sample 852	Sample 853	Sample 854	Sample 855	Sample 856	Sample 857	Sample 858	Sample 859	Sample 860	Sample 861	Sample 862	Sample 863	Sample 864	Sample 865	Sample 866	Sample 867	Sample 868	Sample 869	Sample 870	Sample 871	Sample 872	Sample 873	Sample 874	Sample 875	Sample 876	Sample 877	Sample 878	Sample 879	Sample 880	Sample 881	Sample 882	Sample 883	Sample 884	Sample 885	Sample 886	Sample 887	Sample 888	Sample 889	Sample 890	Sample 891	Sample 892	Sample 893	Sample 894	Sample 895	Sample 896	Sample 897	Sample 898	Sample 899	Sample 900	Sample 901	Sample 902	Sample 903	Sample 904	Sample 905	Sample 906	Sample 907	Sample 908	Sample 909	Sample 910	Sample 911	Sample 912	Sample 913	Sample 914	Sample 915	Sample 916	Sample 917	Sample 918	Sample 919	Sample 920	Sample 921	Sample 922	Sample 923	Sample 924	Sample 925	Sample 926	Sample 927	Sample 928	Sample 929	Sample 930	Sample 931	Sample 932	Sample 933	Sample 934	Sample 935	Sample 936	Sample 937	Sample 938	Sample 939	Sample 940	Sample 941	Sample 942	Sample 943	Sample 944	Sample 945	Sample 946	Sample 947	Sample 948	Sample 949	Sample 950	Sample 951	Sample 952	Sample 953	Sample 954	Sample 955	Sample 956	Sample 957	Sample 958	Sample 959	Sample 960	Sample 961	Sample 962	Sample 963	Sample 964	Sample 965	Sample 966	Sample 967	Sample 968	Sample 969	Sample 970	Sample 971	Sample 972	Sample 973	Sample 974	Sample 975	Sample 976	Sample 977	Sample 978	Sample 979	Sample 980	Sample 981	Sample 982	Sample 983	Sample 984	Sample 985	Sample 986	Sample 987	Sample 988	Sample 989	Sample 990	Sample 991	Sample 992	Sample 993	Sample 994	Sample 995	Sample 996	Sample 997	Sample 998	Sample 999	Sample 1000
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TABLE 1
SUMMARY OF ANALYTICAL SOIL RESULTS
2000 REMEDIATION FRENCH INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL
DAYTON, OHIO

Sample Location	Sample ID	Sample Date	Sample Depth	PP-1		PP-2		PP-3		PP-4		PP-5		PP-6		PP-7		PP-8		PP-9		PP-10		PP-11		PP-12		PP-13		PP-14		PP-15		PP-16		PP-17		PP-18		PP-19		PP-20		PP-21		PP-22		PP-23		PP-24		PP-25		PP-26		PP-27		PP-28		PP-29		PP-30		PP-31		PP-32		PP-33		PP-34		PP-35		PP-36		PP-37		PP-38		PP-39		PP-40		PP-41		PP-42		PP-43		PP-44		PP-45		PP-46		PP-47		PP-48		PP-49		PP-50		PP-51		PP-52		PP-53		PP-54		PP-55		PP-56		PP-57		PP-58		PP-59		PP-60		PP-61		PP-62		PP-63		PP-64		PP-65		PP-66		PP-67		PP-68		PP-69		PP-70		PP-71		PP-72		PP-73		PP-74		PP-75		PP-76		PP-77		PP-78		PP-79		PP-80		PP-81		PP-82		PP-83		PP-84		PP-85		PP-86		PP-87		PP-88		PP-89		PP-90		PP-91		PP-92		PP-93		PP-94		PP-95		PP-96		PP-97		PP-98		PP-99		PP-100		PP-101		PP-102		PP-103		PP-104		PP-105		PP-106		PP-107		PP-108		PP-109		PP-110		PP-111		PP-112		PP-113		PP-114		PP-115		PP-116		PP-117		PP-118		PP-119		PP-120		PP-121		PP-122		PP-123		PP-124		PP-125		PP-126		PP-127		PP-128		PP-129		PP-130		PP-131		PP-132		PP-133		PP-134		PP-135		PP-136		PP-137		PP-138		PP-139		PP-140		PP-141		PP-142		PP-143		PP-144		PP-145		PP-146		PP-147		PP-148		PP-149		PP-150		PP-151		PP-152		PP-153		PP-154		PP-155		PP-156		PP-157		PP-158		PP-159		PP-160		PP-161		PP-162		PP-163		PP-164		PP-165		PP-166		PP-167		PP-168		PP-169		PP-170		PP-171		PP-172		PP-173		PP-174		PP-175		PP-176		PP-177		PP-178		PP-179		PP-180		PP-181		PP-182		PP-183		PP-184		PP-185		PP-186		PP-187		PP-188		PP-189		PP-190		PP-191		PP-192		PP-193		PP-194		PP-195		PP-196		PP-197		PP-198		PP-199		PP-200		PP-201		PP-202		PP-203		PP-204		PP-205		PP-206		PP-207		PP-208		PP-209		PP-210		PP-211		PP-212		PP-213		PP-214		PP-215		PP-216		PP-217		PP-218		PP-219		PP-220		PP-221		PP-222		PP-223		PP-224		PP-225		PP-226		PP-227		PP-228		PP-229		PP-230		PP-231		PP-232		PP-233		PP-234		PP-235		PP-236		PP-237		PP-238		PP-239		PP-240		PP-241		PP-242		PP-243		PP-244		PP-245		PP-246		PP-247		PP-248		PP-249		PP-250		PP-251		PP-252		PP-253		PP-254		PP-255		PP-256		PP-257		PP-258		PP-259		PP-260		PP-261		PP-262		PP-263		PP-264		PP-265		PP-266		PP-267		PP-268		PP-269		PP-270		PP-271		PP-272		PP-273		PP-274		PP-275		PP-276		PP-277		PP-278		PP-279		PP-280		PP-281		PP-282		PP-283		PP-284		PP-285		PP-286		PP-287		PP-288		PP-289		PP-290		PP-291		PP-292		PP-293		PP-294		PP-295		PP-296		PP-297		PP-298		PP-299		PP-300		PP-301		PP-302		PP-303		PP-304		PP-305		PP-306		PP-307		PP-308		PP-309		PP-310		PP-311		PP-312		PP-313		PP-314		PP-315		PP-316		PP-317		PP-318		PP-319		PP-320		PP-321		PP-322		PP-323		PP-324		PP-325		PP-326		PP-327		PP-328		PP-329		PP-330		PP-331		PP-332		PP-333		PP-334		PP-335		PP-336		PP-337		PP-338		PP-339		PP-340		PP-341		PP-342		PP-343		PP-344		PP-345		PP-346		PP-347		PP-348		PP-349		PP-350		PP-351		PP-352		PP-353		PP-354		PP-355		PP-356		PP-357		PP-358		PP-359		PP-360		PP-361		PP-362		PP-363		PP-364		PP-365		PP-366		PP-367		PP-368		PP-369		PP-370		PP-371		PP-372		PP-373		PP-374		PP-375		PP-376		PP-377		PP-378		PP-379		PP-380		PP-381		PP-382		PP-383		PP-384		PP-385		PP-386		PP-387		PP-388		PP-389		PP-390		PP-391		PP-392		PP-393		PP-394		PP-395		PP-396		PP-397		PP-398		PP-399		PP-400		PP-401		PP-402		PP-403		PP-404		PP-405		PP-406		PP-407		PP-408		PP-409		PP-410		PP-411		PP-412		PP-413		PP-414		PP-415		PP-416		PP-417		PP-418		PP-419		PP-420		PP-421		PP-422		PP-423		PP-424		PP-425		PP-426		PP-427		PP-428		PP-429		PP-430		PP-431		PP-432		PP-433		PP-434		PP-435		PP-436		PP-437		PP-438		PP-439		PP-440		PP-441		PP-442		PP-443		PP-444		PP-445		PP-446		PP-447		PP-448		PP-449		PP-450		PP-451		PP-452		PP-453		PP-454		PP-455		PP-456		PP-457		PP-458		PP-459		PP-460		PP-461		PP-462		PP-463		PP-464		PP-465		PP-466		PP-467		PP-468		PP-469		PP-470		PP-471		PP-472		PP-473		PP-474		PP-475		PP-476		PP-477		PP-478		PP-479		PP-480		PP-481		PP-482		PP-483		PP-484		PP-485		PP-486		PP-487		PP-488		PP-489		PP-490		PP-491		PP-492		PP-493		PP-494		PP-495		PP-496		PP-497		PP-498		PP-499		PP-500		PP-501		PP-502		PP-503		PP-504		PP-505		PP-506		PP-507		PP-508		PP-509		PP-510		PP-511		PP-512		PP-513		PP-514		PP-515		PP-516		PP-517		PP-518		PP-519		PP-520		PP-521		PP-522		PP-523		PP-524		PP-525		PP-526		PP-527		PP-528		PP-529		PP-530		PP-531		PP-532		PP-533		PP-534		PP-535		PP-536		PP-537		PP-538		PP-539		PP-540		PP-541		PP-542		PP-543		PP-544		PP-545		PP-546		PP-547		PP-548		PP-549		PP-550		PP-551		PP-552		PP-553		PP-554		PP-555		PP-556		PP-557		PP-558		PP-559		PP-560		PP-561		PP-562		PP-563		PP-564		PP-565		PP-566		PP-567		PP-568		PP-569		PP-570		PP-571		PP-572		PP-573		PP-574		PP-575		PP-576		PP-577		PP-578		PP-579		PP-580		PP-581		PP-582		PP-583		PP-584		PP-585		PP-586		PP-587		PP-588		PP-589		PP-590		PP-591		PP-592		PP-593		PP-594		PP-595		PP-596		PP-597		PP-598		PP-599		PP-600		PP-601		PP-602		PP-603		PP-604		PP-605		PP-606		PP-607		PP-608		PP-609		PP-610		PP-611		PP-612		PP-613		PP-614		PP-615		PP-616		PP-617		PP-618		PP-619		PP-620		PP-621		PP-622		PP-623		PP-624		PP-625		PP-626		PP-627		PP-628		PP-629		PP-630		PP-631		PP-632		PP-633		PP-634		PP-635		PP-636		PP-637		PP-638		PP-639		PP-640		PP-641		PP-642		PP-643		PP-644		PP-645		PP-646		PP-647		PP-648		PP-649		PP-650		PP-651		PP-652		PP-653		PP-654		PP-655		PP-656		PP-657		PP-658		PP-659		PP-660		PP-661		PP-662		PP-663		PP-664		PP-665		PP-666		PP-667		PP-668		PP-669		PP-670		PP-671		PP-672		PP-673		PP-674		PP-675		PP-676		PP-677		PP-678		PP-679		PP-680		PP-681		PP-682		PP-683		PP-684		PP-685		PP-686		PP-687		PP-688		PP-689		PP-690		PP-691		PP-692		PP-693		PP-694		PP-695		PP-696		PP-697		PP-698		PP-699		PP-700		PP-701		PP-702		PP-703		PP-704		PP-705		PP-706		PP-707		PP-708		PP-709		PP-710		PP-711		PP-712		PP-713		PP-714		PP-715		PP-716		PP-717		PP-718		PP-719		PP-720		PP-721		PP-722		PP-723		PP-724		PP-725		PP-726		PP-727		PP-728		PP-729		PP-730		PP-731		PP-732		PP-733		PP-734		PP-735		PP-736		PP-737		PP-738		PP-739		PP-740		PP-741		PP-742		PP-743		PP-744		PP-745		PP-746		PP-747		PP-748		PP-749		PP-750		PP-751		PP-752		PP-753		PP-754		PP-755		PP-756		PP-757		PP-758		PP-759		PP-760		PP-761		PP-762		PP-763		PP-764		PP-765		PP-766		PP-767		PP-768		PP-769		PP-770		PP-771		PP-772		PP-773		PP-774		PP-775		PP-776		PP-777		PP-778		PP-779		PP-780		PP-781		PP-782		PP-783		PP-784		PP-785		PP-786		PP-787		PP-788		PP-789		PP-790		PP-791		PP-792		PP-793		PP-794		PP-795		PP-796		PP-797		PP-798		PP-799		PP-800		PP-801		PP-802		PP-803		PP-804		PP-805		PP-806		PP-807		PP-808		PP-809		PP-810		PP-811		PP-812		PP-813		PP-814		PP-815		PP-816		PP-817		PP-818		PP-819		PP-820		PP-821		PP-822		PP-823		PP-824		PP-825		PP-826		PP-827		PP-828		PP-829		PP-830		PP-831		PP-832		PP-833		PP-834		PP-835		PP-836		PP-837		PP-838		PP-839		PP-840		PP-841		PP-842		PP-843		PP-844		PP-845		PP-846		PP-847		PP-848		PP-849		PP-850		PP-851		PP-852		PP-853		PP-854		PP-855		PP-856		PP-857		PP-858		PP-859		PP-860		PP-861		PP-862		PP-863		PP-864		PP-865		PP-866		PP-867		PP-868		PP-869		PP-870		PP-871		PP-872		PP-873		PP-874		PP-875		PP-876		PP-877		PP-878		PP-879		PP-880		PP-881		PP-882		PP-883		PP-884		PP-885		PP-886		PP-887		PP-888		PP-889		PP-890		PP-891		PP-892		PP-893		PP-894		PP-895		PP-896		PP-897		PP-898		PP-899		PP-900		PP-901		PP-902		PP-903		PP-904		PP-905		PP-906		PP-907		PP-908		PP-909		PP-910		PP-911		PP-912		PP-913		PP-914		PP-915		PP-916		PP-917		PP-918		PP-919		PP-920		PP-921		PP-922		PP-923		PP-924		PP-925		PP-926		PP-927		PP-928		PP-929		PP-930		PP-931		PP-932		PP-933		PP-934		PP-935		PP-936		PP-937		PP-938		PP-939		PP-940		PP-941		PP-942		PP-943		PP-944		PP-945		PP-946		PP-947		PP-948		PP-949		PP-950		PP-951		PP-952		PP-953		PP-954		PP-955		PP-956		PP-957		PP-	
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TABLE I
SUPPLEMENTARY ANALYTICAL RESULTS
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NUTRIENT (NUTRIENT) AND LANTHANIDE
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TABLE 1
SUMMARY OF ANALYTICAL SOIL RESULTS
2004 TEST WELL EXISTING INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL
AQUARIUM, OHIO

	Test 1	Test 2	Test 3	Test 4	Test 5	Test 6	Test 7	Test 8	Test 9	Test 10	Test 11	Test 12	Test 13	Test 14	Test 15	Test 16	Test 17	Test 18	Test 19	Test 20	Test 21	Test 22	Test 23	Test 24	Test 25	Test 26	Test 27	Test 28	Test 29	Test 30	Test 31	Test 32	Test 33	Test 34	Test 35	Test 36	Test 37	Test 38	Test 39	Test 40	Test 41	Test 42	Test 43	Test 44	Test 45	Test 46	Test 47	Test 48	Test 49	Test 50	Test 51	Test 52	Test 53	Test 54	Test 55	Test 56	Test 57	Test 58	Test 59	Test 60	Test 61	Test 62	Test 63	Test 64	Test 65	Test 66	Test 67	Test 68	Test 69	Test 70	Test 71	Test 72	Test 73	Test 74	Test 75	Test 76	Test 77	Test 78	Test 79	Test 80	Test 81	Test 82	Test 83	Test 84	Test 85	Test 86	Test 87	Test 88	Test 89	Test 90	Test 91	Test 92	Test 93	Test 94	Test 95	Test 96	Test 97	Test 98	Test 99	Test 100	Test 101	Test 102	Test 103	Test 104	Test 105	Test 106	Test 107	Test 108	Test 109	Test 110	Test 111	Test 112	Test 113	Test 114	Test 115	Test 116	Test 117	Test 118	Test 119	Test 120	Test 121	Test 122	Test 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678	Test 679	Test 680	Test 681	Test 682	Test 683	Test 684	Test 685	Test 686	Test 687	Test 688	Test 689	Test 690	Test 691	Test 692	Test 693	Test 694	Test 695	Test 696	Test 697	Test 698	Test 699	Test 700	Test 701	Test 702	Test 703	Test 704	Test 705	Test 706	Test 707	Test 708	Test 709	Test 710	Test 711	Test 712	Test 713	Test 714	Test 715	Test 716	Test 717	Test 718	Test 719	Test 720	Test 721	Test 722	Test 723	Test 724	Test 725	Test 726	Test 727	Test 728	Test 729	Test 730	Test 731	Test 732	Test 733	Test 734	Test 735	Test 736	Test 737	Test 738	Test 739	Test 740	Test 741	Test 742	Test 743	Test 744	Test 745	Test 746	Test 747	Test 748	Test 749	Test 750	Test 751	Test 752	Test 753	Test 754	Test 755	Test 756	Test 757	Test 758	Test 759	Test 760	Test 761	Test 762	Test 763	Test 764	Test 765	Test 766	Test 767	Test 768	Test 769	Test 770	Test 771	Test 772	Test 773	Test 774	Test 775	Test 776	Test 777	Test 778	Test 779	Test 780	Test 781	Test 782	Test 783	Test 784	Test 785	Test 786	Test 787	Test 788	Test 789	Test 790	Test 791	Test 792	Test 793	Test 794	Test 795	Test 796	Test 797	Test 798	Test 799	Test 800	Test 801	Test 802	Test 803	Test 804	Test 805	Test 806	Test 807	Test 808	Test 809	Test 810	Test 811	Test 812	Test 813	Test 814	Test 815	Test 816	Test 817	Test 818	Test 819	Test 820	Test 821	Test 822	Test 823	Test 824	Test 825	Test 826	Test 827	Test 828	Test 829	Test 830	Test 831	Test 832	Test 833	Test 834	Test 835	Test 836	Test 837	Test 838	Test 839	Test 840	Test 841	Test 842	Test 843	Test 844	Test 845	Test 846	Test 847	Test 848	Test 849	Test 850	Test 851	Test 852	Test 853	Test 854	Test 855	Test 856	Test 857	Test 858	Test 859	Test 860	Test 861	Test 862	Test 863	Test 864	Test 865	Test 866	Test 867	Test 868	Test 869	Test 870	Test 871	Test 872	Test 873	Test 874	Test 875	Test 876	Test 877	Test 878	Test 879	Test 880	Test 881	Test 882	Test 883	Test 884	Test 885	Test 886	Test 887	Test 888	Test 889	Test 890	Test 891	Test 892	Test 893	Test 894	Test 895	Test 896	Test 897	Test 898	Test 899	Test 900	Test 901	Test 902	Test 903	Test 904	Test 905	Test 906	Test 907	Test 908	Test 909	Test 910	Test 911	Test 912	Test 913	Test 914	Test 915	Test 916	Test 917	Test 918	Test 919	Test 920	Test 921	Test 922	Test 923	Test 924	Test 925	Test 926	Test 927	Test 928	Test 929	Test 930	Test 931	Test 932	Test 933	Test 934	Test 935	Test 936	Test 937	Test 938	Test 939	Test 940	Test 941	Test 942	Test 943	Test 944	Test 945	Test 946	Test 947	Test 948	Test 949	Test 950	Test 951	Test 952	Test 953	Test 954	Test 955	Test 956	Test 957	Test 958	Test 959	Test 960	Test 961	Test 962	Test 963	Test 964	Test 965	Test 966	Test 967	Test 968	Test 969	Test 970	Test 971	Test 972	Test 973	Test 974	Test 975	Test 976	Test 977	Test 978	Test 979	Test 980	Test 981	Test 982	Test 983	Test 984	Test 985	Test 986	Test 987	Test 988	Test 989	Test 990	Test 991	Test 992	Test 993	Test 994	Test 995	Test 996	Test 997	Test 998	Test 999	Test 1000
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 χ^2 = 0.00428 (df = 5) P = 0.9991

TABLE 1
SUMMARY OF ANALYSIS AND RESULTS
2008-2010 (F11) - HELM II OVERHAULING
SCHEDULE (TUMPL AND LANDING)
SUMMARY (F11)

		F11-01		F11-02		F11-03		F11-04		F11-05		F11-06		F11-07		F11-08		F11-09		F11-10		F11-11		F11-12		F11-13		F11-14		F11-15		F11-16		F11-17		F11-18		F11-19		F11-20		F11-21		F11-22		F11-23		F11-24		F11-25		F11-26		F11-27		F11-28		F11-29		F11-30		F11-31		F11-32		F11-33		F11-34		F11-35		F11-36		F11-37		F11-38		F11-39		F11-40		F11-41		F11-42		F11-43		F11-44		F11-45		F11-46		F11-47		F11-48		F11-49		F11-50		F11-51		F11-52		F11-53		F11-54		F11-55		F11-56		F11-57		F11-58		F11-59		F11-60		F11-61		F11-62		F11-63		F11-64		F11-65		F11-66		F11-67		F11-68		F11-69		F11-70		F11-71		F11-72		F11-73		F11-74		F11-75		F11-76		F11-77		F11-78		F11-79		F11-80		F11-81		F11-82		F11-83		F11-84		F11-85		F11-86		F11-87		F11-88		F11-89		F11-90		F11-91		F11-92		F11-93		F11-94		F11-95		F11-96		F11-97		F11-98		F11-99		F11-100		F11-101		F11-102		F11-103		F11-104		F11-105		F11-106		F11-107		F11-108		F11-109		F11-110		F11-111		F11-112		F11-113		F11-114		F11-115		F11-116		F11-117		F11-118		F11-119		F11-120		F11-121		F11-122		F11-123		F11-124		F11-125		F11-126		F11-127		F11-128		F11-129		F11-130		F11-131		F11-132		F11-133		F11-134		F11-135		F11-136		F11-137		F11-138		F11-139		F11-140		F11-141		F11-142		F11-143		F11-144		F11-145		F11-146		F11-147		F11-148		F11-149		F11-150		F11-151		F11-152		F11-153		F11-154		F11-155		F11-156		F11-157		F11-158		F11-159		F11-160		F11-161		F11-162		F11-163		F11-164		F11-165		F11-166		F11-167		F11-168		F11-169		F11-170		F11-171		F11-172		F11-173		F11-174		F11-175		F11-176		F11-177		F11-178		F11-179		F11-180		F11-181		F11-182		F11-183		F11-184		F11-185		F11-186		F11-187		F11-188		F11-189		F11-190		F11-191		F11-192		F11-193		F11-194		F11-195		F11-196		F11-197		F11-198		F11-199		F11-200		F11-201		F11-202		F11-203		F11-204		F11-205		F11-206		F11-207		F11-208		F11-209		F11-210		F11-211		F11-212		F11-213		F11-214		F11-215		F11-216		F11-217		F11-218		F11-219		F11-220		F11-221		F11-222		F11-223		F11-224		F11-225		F11-226		F11-227		F11-228		F11-229		F11-230		F11-231		F11-232		F11-233		F11-234		F11-235		F11-236		F11-237		F11-238		F11-239		F11-240		F11-241		F11-242		F11-243		F11-244		F11-245		F11-246		F11-247		F11-248		F11-249		F11-250		F11-251		F11-252		F11-253		F11-254		F11-255		F11-256		F11-257		F11-258		F11-259		F11-260		F11-261		F11-262		F11-263		F11-264		F11-265		F11-266		F11-267		F11-268		F11-269		F11-270		F11-271		F11-272		F11-273		F11-274		F11-275		F11-276		F11-277		F11-278		F11-279		F11-280		F11-281		F11-282		F11-283		F11-284		F11-285		F11-286		F11-287		F11-288		F11-289		F11-290		F11-291		F11-292		F11-293		F11-294		F11-295		F11-296		F11-297		F11-298		F11-299		F11-300		F11-301		F11-302		F11-303		F11-304		F11-305		F11-306		F11-307		F11-308		F11-309		F11-310		F11-311		F11-312		F11-313		F11-314		F11-315		F11-316		F11-317		F11-318		F11-319		F11-320		F11-321		F11-322		F11-323		F11-324		F11-325		F11-326		F11-327		F11-328		F11-329		F11-330		F11-331		F11-332		F11-333		F11-334		F11-335		F11-336		F11-337		F11-338		F11-339		F11-340		F11-341		F11-342		F11-343		F11-344		F11-345		F11-346		F11-347		F11-348		F11-349		F11-350		F11-351		F11-352		F11-353		F11-354		F11-355		F11-356		F11-357		F11-358		F11-359		F11-360		F11-361		F11-362		F11-363		F11-364		F11-365		F11-366		F11-367		F11-368		F11-369		F11-370		F11-371		F11-372		F11-373		F11-374		F11-375		F11-376		F11-377		F11-378		F11-379		F11-380		F11-381		F11-382		F11-383		F11-384		F11-385		F11-386		F11-387		F11-388		F11-389		F11-390		F11-391		F11-392		F11-393		F11-394		F11-395		F11-396		F11-397		F11-398		F11-399		F11-400		F11-401		F11-402		F11-403		F11-404		F11-405		F11-406		F11-407		F11-408		F11-409		F11-410	
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SUMMARY OF ANALYTICAL RESULTS
 2000 LESTER/1ST FRANCH INVESTIGATION
 SOUTH DAYTON DUMP AND LANDFILL
 MOBILE, OHIO

[illegible]

TABLE 1
SUMMARY OF ANALYTICAL SOIL RESULTS
2004 TEST PIT/TEST TRUCK INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL
MORRIS, OHIO

			PT-01	PT-02	PT-03	PT-04	PT-05	PT-06	PT-07	PT-08	PT-09	PT-10	PT-11	PT-12	PT-13	PT-14	PT-15	PT-16	PT-17	PT-18	PT-19	PT-20	PT-21	PT-22	PT-23	PT-24	PT-25	PT-26	PT-27	PT-28	PT-29	PT-30	PT-31	PT-32	PT-33	PT-34	PT-35	PT-36	PT-37	PT-38	PT-39	PT-40	PT-41	PT-42	PT-43	PT-44	PT-45	PT-46	PT-47	PT-48	PT-49	PT-50	PT-51	PT-52	PT-53	PT-54	PT-55	PT-56	PT-57	PT-58	PT-59	PT-60	PT-61	PT-62	PT-63	PT-64	PT-65	PT-66	PT-67	PT-68	PT-69	PT-70	PT-71	PT-72	PT-73	PT-74	PT-75	PT-76	PT-77	PT-78	PT-79	PT-80	PT-81	PT-82	PT-83	PT-84	PT-85	PT-86	PT-87	PT-88	PT-89	PT-90	PT-91	PT-92	PT-93	PT-94	PT-95	PT-96	PT-97	PT-98	PT-99	PT-100	PT-101	PT-102	PT-103	PT-104	PT-105	PT-106	PT-107	PT-108	PT-109	PT-110	PT-111	PT-112	PT-113	PT-114	PT-115	PT-116	PT-117	PT-118	PT-119	PT-120	PT-121	PT-122	PT-123	PT-124	PT-125	PT-126	PT-127	PT-128	PT-129	PT-130	PT-131	PT-132	PT-133	PT-134	PT-135	PT-136	PT-137	PT-138	PT-139	PT-140	PT-141	PT-142	PT-143	PT-144	PT-145	PT-146	PT-147	PT-148	PT-149	PT-150	PT-151	PT-152	PT-153	PT-154	PT-155	PT-156	PT-157	PT-158	PT-159	PT-160	PT-161	PT-162	PT-163	PT-164	PT-165	PT-166	PT-167	PT-168	PT-169	PT-170	PT-171	PT-172	PT-173	PT-174	PT-175	PT-176	PT-177	PT-178	PT-179	PT-180	PT-181	PT-182	PT-183	PT-184	PT-185	PT-186	PT-187	PT-188	PT-189	PT-190	PT-191	PT-192	PT-193	PT-194	PT-195	PT-196	PT-197	PT-198	PT-199	PT-200	PT-201	PT-202	PT-203	PT-204	PT-205	PT-206	PT-207	PT-208	PT-209	PT-210	PT-211	PT-212	PT-213	PT-214	PT-215	PT-216	PT-217	PT-218	PT-219	PT-220	PT-221	PT-222	PT-223	PT-224	PT-225	PT-226	PT-227	PT-228	PT-229	PT-230	PT-231	PT-232	PT-233	PT-234	PT-235	PT-236	PT-237	PT-238	PT-239	PT-240	PT-241	PT-242	PT-243	PT-244	PT-245	PT-246	PT-247	PT-248	PT-249	PT-250	PT-251	PT-252	PT-253	PT-254	PT-255	PT-256	PT-257	PT-258	PT-259	PT-260	PT-261	PT-262	PT-263	PT-264	PT-265	PT-266	PT-267	PT-268	PT-269	PT-270	PT-271	PT-272	PT-273	PT-274	PT-275	PT-276	PT-277	PT-278	PT-279	PT-280	PT-281	PT-282	PT-283	PT-284	PT-285	PT-286	PT-287	PT-288	PT-289	PT-290	PT-291	PT-292	PT-293	PT-294	PT-295	PT-296	PT-297	PT-298	PT-299	PT-300	PT-301	PT-302	PT-303	PT-304	PT-305	PT-306	PT-307	PT-308	PT-309	PT-310	PT-311	PT-312	PT-313	PT-314	PT-315	PT-316	PT-317	PT-318	PT-319	PT-320	PT-321	PT-322	PT-323	PT-324	PT-325	PT-326	PT-327	PT-328	PT-329	PT-330	PT-331	PT-332	PT-333	PT-334	PT-335	PT-336	PT-337	PT-338	PT-339	PT-340	PT-341	PT-342	PT-343	PT-344	PT-345	PT-346	PT-347	PT-348	PT-349	PT-350	PT-351	PT-352	PT-353	PT-354	PT-355	PT-356	PT-357	PT-358	PT-359	PT-360	PT-361	PT-362	PT-363	PT-364	PT-365	PT-366	PT-367	PT-368	PT-369	PT-370	PT-371	PT-372	PT-373	PT-374	PT-375	PT-376	PT-377	PT-378	PT-379	PT-380	PT-381	PT-382	PT-383	PT-384	PT-385	PT-386	PT-387	PT-388	PT-389	PT-390	PT-391	PT-392	PT-393	PT-394	PT-395	PT-396	PT-397	PT-398	PT-399	PT-400	PT-401	PT-402	PT-403	PT-404	PT-405	PT-406	PT-407	PT-408	PT-409	PT-410	PT-411	PT-412	PT-413	PT-414	PT-415	PT-416	PT-417	PT-418	PT-419	PT-420	PT-421	PT-422	PT-423	PT-424	PT-425	PT-426	PT-427	PT-428	PT-429	PT-430	PT-431	PT-432	PT-433	PT-434	PT-435	PT-436	PT-437	PT-438	PT-439	PT-440	PT-441	PT-442	PT-443	PT-444	PT-445	PT-446	PT-447	PT-448	PT-449	PT-450	PT-451	PT-452	PT-453	PT-454	PT-455	PT-456	PT-457	PT-458	PT-459	PT-460	PT-461	PT-462	PT-463	PT-464	PT-465	PT-466	PT-467	PT-468	PT-469	PT-470	PT-471	PT-472	PT-473	PT-474	PT-475	PT-476	PT-477	PT-478	PT-479	PT-480	PT-481	PT-482	PT-483	PT-484	PT-485	PT-486	PT-487	PT-488	PT-489	PT-490	PT-491	PT-492	PT-493	PT-494	PT-495	PT-496	PT-497	PT-498	PT-499	PT-500	PT-501	PT-502	PT-503	PT-504	PT-505	PT-506	PT-507	PT-508	PT-509	PT-510	PT-511	PT-512	PT-513	PT-514	PT-515	PT-516	PT-517	PT-518	PT-519	PT-520	PT-521	PT-522	PT-523	PT-524	PT-525	PT-526	PT-527	PT-528	PT-529	PT-530	PT-531	PT-532	PT-533	PT-534	PT-535	PT-536	PT-537	PT-538	PT-539	PT-540	PT-541	PT-542	PT-543	PT-544	PT-545	PT-546	PT-547	PT-548	PT-549	PT-550	PT-551	PT-552	PT-553	PT-554	PT-555	PT-556	PT-557	PT-558	PT-559	PT-560	PT-561	PT-562	PT-563	PT-564	PT-565	PT-566	PT-567	PT-568	PT-569	PT-570	PT-571	PT-572	PT-573	PT-574	PT-575	PT-576	PT-577	PT-578	PT-579	PT-580	PT-581	PT-582	PT-583	PT-584	PT-585	PT-586	PT-587	PT-588	PT-589	PT-590	PT-591	PT-592	PT-593	PT-594	PT-595	PT-596	PT-597	PT-598	PT-599	PT-600	PT-601	PT-602	PT-603	PT-604	PT-605	PT-606	PT-607	PT-608	PT-609	PT-610	PT-611	PT-612	PT-613	PT-614	PT-615	PT-616	PT-617	PT-618	PT-619	PT-620	PT-621	PT-622	PT-623	PT-624	PT-625	PT-626	PT-627	PT-628	PT-629	PT-630	PT-631	PT-632	PT-633	PT-634	PT-635	PT-636	PT-637	PT-638	PT-639	PT-640	PT-641	PT-642	PT-643	PT-644	PT-645	PT-646	PT-647	PT-648	PT-649	PT-650	PT-651	PT-652	PT-653	PT-654	PT-655	PT-656	PT-657	PT-658	PT-659	PT-660	PT-661	PT-662	PT-663	PT-664	PT-665	PT-666	PT-667	PT-668	PT-669	PT-670	PT-671	PT-672	PT-673	PT-674	PT-675	PT-676	PT-677	PT-678	PT-679	PT-680	PT-681	PT-682	PT-683	PT-684	PT-685	PT-686	PT-687	PT-688	PT-689	PT-690	PT-691	PT-692	PT-693	PT-694	PT-695	PT-696	PT-697	PT-698	PT-699	PT-700	PT-701	PT-702	PT-703	PT-704	PT-705	PT-706	PT-707	PT-708	PT-709	PT-710	PT-711	PT-712	PT-713	PT-714	PT-715	PT-716	PT-717	PT-718	PT-719	PT-720	PT-721	PT-722	PT-723	PT-724	PT-725	PT-726	PT-727	PT-728	PT-729	PT-730	PT-731	PT-732	PT-733	PT-734	PT-735	PT-736	PT-737	PT-738	PT-739	PT-740	PT-741	PT-742	PT-743	PT-744	PT-745	PT-746	PT-747	PT-748	PT-749	PT-750	PT-751	PT-752	PT-753	PT-754	PT-755	PT-756	PT-757	PT-758	PT-759	PT-760	PT-761	PT-762	PT-763	PT-764	PT-765	PT-766	PT-767	PT-768	PT-769	PT-770	PT-771	PT-772	PT-773	PT-774	PT-775	PT-776	PT-777	PT-778	PT-779	PT-780	PT-781	PT-782	PT-783	PT-784	PT-785	PT-786	PT-787	PT-788	PT-789	PT-790	PT-791	PT-792	PT-793	PT-794	PT-795	PT-796	PT-797	PT-798	PT-799	PT-800	PT-801	PT-802	PT-803	PT-804	PT-805	PT-806	PT-807	PT-808	PT-809	PT-810	PT-811	PT-812	PT-813	PT-814	PT-815	PT-816	PT-817	PT-818	PT-819	PT-820	PT-821	PT-822	PT-823	PT-824	PT-825	PT-826	PT-827	PT-828	PT-829	PT-830	PT-831	PT-832	PT-833	PT-834	PT-835	PT-836	PT-837	PT-838	PT-839	PT-840	PT-841	PT-842	PT-843	PT-844	PT-845	PT-846	PT-847	PT-848	PT-849	PT-850	PT-851	PT-852	PT-853	PT-854	PT-855	PT-856	PT-857	PT-858	PT-859	PT-860	PT-861	PT-862	PT-863	PT-864	PT-865	PT-866	PT-867	PT-868	PT-869	PT-870	PT-871	PT-872	PT-873	PT-874	PT-875	PT-876	PT-877	PT-878	PT-879	PT-880	PT-881	PT-882	PT-883	PT-884	PT-885	PT-886	PT-887	PT-888	PT-889	PT-890	PT-891	PT-892	PT-893	PT-894	PT-895	PT-896	PT-897	PT-898	PT-899	PT-900	PT-901	PT-902	PT-903	PT-904	PT-905	PT-906	PT-907	PT-908	PT-909	PT-910	PT-911	PT-912	PT-913	PT-914	PT-915	PT-916	PT-917	PT-918	PT-919	PT-920	PT-921	PT-922	PT-923	PT-924	PT-925	PT-926	PT-927	PT-928	PT-929	PT-930	PT-931	PT-932	PT-933	PT-934	PT-935	PT-936	PT-937	PT-938	PT-939	PT-940	PT-941	PT-942	PT-943	PT-944	PT-945	PT-946	PT-947	PT-948	PT-949	PT-950	PT-951	PT-952	PT-953	PT-954	PT-955	PT-956	PT-957	PT-958	PT-959	PT-960	PT-961	PT-962	PT-963	PT-964	PT-965	PT-966	PT-967	PT-968	PT-969	PT-970	PT-971	PT-972	PT-973	PT-974	PT-975	PT-976	PT-977	PT-978	PT-979	PT-980	PT-981	PT-982	PT-983	PT-984	PT-985	PT-986	PT-987	PT-988	PT-989	PT-990	PT-991	PT-992	PT-993	PT-994	PT-995	PT-996	PT-997	PT-998	PT-999	PT-1000
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TABLE 2

SUMMARY OF ANALYTICAL WASTE CHARACTERIZATION RESULTS
2008 TEST PIT / TRENCH INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL
MORaine, OHIO

		Sample Location: Black Sand Fill (TP1, TP3, TP4)	Black Sand Fill (TT-7, TT-20)	Gray/Black Sand/Gravel Fill(TT-21/TT-22)	TT-20	TT-21 Drum
	Sample ID:	S-38443-092408-KMV-WSF	S-38443-100708-KMV-WSF2	S-38443-100808-KMV-WSF3	S-38443-100808-KMV-071	S-38443-100808-KMV-070
	Sample Date:	9/24/2008	10/7/2008	10/8/2008	10/8/2008	10/8/2008
	Sample Depth:	6-18.6 ft BGS	6 & 15 ft BGS	6-8 ft BGS	-	7 ft BGS
Parameter	Units	TCLP Regulatory Level				
<u>TCLP Volatile Organic Compounds</u>						
1,1-Dichloroethene	mg/L	0.7	0.070 U	0.070 U	0.070 U	0.070 U
1,2-Dichloroethane	mg/L	0.5	0.025 U	0.025 U	0.025 U	0.025 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	200.0	0.25 U	0.25 U	0.25 U	0.27
Benzene	mg/L	0.5	0.025 U	0.025 U	0.025 U	1.1
Carbon tetrachloride	mg/L	0.5	0.025 U	0.025 U	0.025 U	0.025 U
Chlorobenzene	mg/L	100.0	0.025 U	0.62	0.025 U	0.059
Chloroform (Trichloromethane)	mg/L	6.0	0.025 U	0.025 U	0.025 U	0.025 U
Tetrachloroethene	mg/L	0.7	0.070 U	0.070 U	0.070 U	0.070 U
Trichloroethene	mg/L	0.5	0.050 U	0.050 U	0.050 U	0.050 U
Vinyl chloride	mg/L	0.2	0.025 U	0.025 U	0.025 U	0.097
<u>TCLP Semi-Volatile Organic Compounds</u>						
1,4-Dichlorobenzene	mg/L	7.5	0.0040 U	0.0040 U	0.0040 U	0.027 U
2,4,5-Trichlorophenol	mg/L	400.0	0.020 U	0.020 U	0.020 U	0.13 U
2,4,6-Trichlorophenol	mg/L	2.0	0.020 U	0.020 U	0.020 U	0.13 U
2,4-Dinitrotoluene	mg/L	0.13	0.020 U	0.020 U	0.020 U	0.13 U
2-Methylphenol	mg/L	200.0	0.0040 U	0.0040 U	0.0040 U	0.37
3&4-Methylphenol	mg/L	200.0	0.040 U	0.040 U	0.040 U	0.93
Hexachlorobenzene	mg/L	0.13	0.020 U	0.020 U	0.020 U	0.13 U
Hexachlorobutadiene	mg/L	0.5	0.020 U	0.020 U	0.020 U	0.13 U
Hexachloroethane	mg/L	3.0	0.020 U	0.020 U	0.020 U	0.13 U
Nitrobenzene	mg/L	2.0	0.0040 U	0.0040 U	0.0040 U	0.027 U
Pentachlorophenol	mg/L	100.0	0.040 U	0.040 U	0.040 U	0.27 U
Pyridine	mg/L	5.0	0.020 U	0.020 U	0.020 U	0.017 J
<u>TCLP Herbicides</u>						
2,4,5-TP (Silvex)	mg/L	1.0	0.10 U	0.10 U	0.10 U	0.10 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	10.0	0.50 U	0.50 U	0.50 U	0.50 U
<u>TCLP Metals</u>						
Arsenic	mg/L	5.0	0.0052 B	0.50 U	0.50 U	0.0062 B
Barium	mg/L	100.0	0.71 B J	0.92 B	2.0 B	2.1 B J
Cadmium	mg/L	1.0	0.027 B	0.0039 B	0.091 B	0.064 B
Chromium Total	mg/L	5.0	0.50 U	0.50 U	0.50 U	0.0067 B
Lead	mg/L	5.0	0.050 B	0.050 B	0.50 U	0.50 U
Mercury	mg/L	0.2	0.0020 U	0.0020 U	0.0020 U	0.0020 U
Selenium	mg/L	1.0	0.25 U	0.25 U	0.0043 B	0.0061 B
Silver	mg/L	5.0	0.50 U	0.50 U	0.50 U	0.50 U

TABLE 2

SUMMARY OF ANALYTICAL WASTE CHARACTERIZATION RESULTS
2008 TEST PIT / TRENCH INVESTIGATION
SOUTH DAYTON DUMP AND LANDFILL
MORaine, OHIO

Parameter	Units	Sample Location: Black Sand Fill (TP1, TP3, TP4)		Black Sand Fill (TT-7, TT-20)		Gray/Black Sand/Gravel Fill(TT-21/TT-22)		TT-20		TT-21 Drum	
		Sample ID:	S-38443-092408-KMV-WSF	Sample ID:	S-38443-100708-KMV-WSF2	Sample ID:	S-38443-100808-KMV-WSF3	Sample ID:	S-38443-100808-KMV-071	Sample ID:	S-38443-100808-KMV-070
		Sample Date:	9/24/2008	Sample Date:	10/7/2008	Sample Date:	10/8/2008	Sample Date:	10/8/2008	Sample Date:	10/8/2008
		Sample Depth:	6-18.6 ft BGS	Sample Depth:	6 & 15 ft BGS	Sample Depth:	6-8 ft BGS	Sample Depth:	-	Sample Depth:	7 ft BGS
		TCCLP Regulatory Level									
PCBs											
Aroclor-1016 (PCB-1016)	µg/kg	-	200 U		190 U		43 U		38 U		-
Aroclor-1221 (PCB-1221)	µg/kg	-	200 U		190 U		43 U		38 U		-
Aroclor-1232 (PCB-1232)	µg/kg	-	200 U		190 U		43 U		38 U		-
Aroclor-1242 (PCB-1242)	µg/kg	-	200 U		490		43 U		38 U		-
Aroclor-1248 (PCB-1248)	µg/kg	-	1200		190 U		43 U		38 U		-
Aroclor-1254 (PCB-1254)	µg/kg	-	200 U		320		43 U		38 U		-
Aroclor-1260 (PCB-1260)	µg/kg	-	200 U		190 U		43 U		38 U		-
TCCLP Pesticides											
Chlordane	mg/L	0.03	0.0050 U		0.0050 U		0.0050 U		0.0050 U		0.25 U
Endrin	mg/L	0.02	0.00050 U		0.00050 U		0.00050 U		0.00050 U		0.025 U
gamma-BHC (Lindane)	mg/L	0.4	0.00050 U		0.00050 U		0.00050 U		0.00050 U		0.025 U
Heptachlor	mg/L	0.008	0.00050 U		0.00050 U		0.00050 U		0.00050 U		0.025 U
Heptachlor epoxide	mg/L	0.008	0.00050 U		0.00050 U		0.00050 U		0.00050 U		0.025 U
Methoxychlor	mg/L	10.0	0.0010 U		0.00054 J		0.00042 J		0.0010 U		0.050 U
Toxaphene	mg/L	0.5	0.020 U		0.020 U		0.020 U		0.020 U		1.0 U
General Chemistry											
Cyanide (total)	mg/kg	-	0.61 U		0.21 B		2.0		0.19 B		-
Ignitability	deg F	-	180 >		140 >		140 >		140 >		140 >
pH Corrosivity	su	-	8.1		8.3		7.9		8.3		7.6
Sulfide	mg/kg	-	19.6 B		56.3		426		18.6 B		489
Total Solids	%	-	81.6		85.3		77.1		85.9		73.7

Notes

- > - Greater than amount shown.
- B - Estimated
- J - Method blank contamination (Inorganics).
- J - Estimated (Organics).
- U - Non-detect at associated value.
- Not applicable.

TABLE 3
TEST PIT AND TEST TRENCH INVESTIGATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORaine, OHIO

Test Pit/ Test Trench	Test Pit / Test Trench Excavation Date	Sample ID	Sample Depth (ft)	Stratigraphy	Waste Types	Depth to Water (ft bgs)	Water Elevation (ft amsl)	Excavation Depth (ft bgs)	Bottom Elevation (ft amsl)	Maximum PID Reading (ppm)
TP1	September 23, 2008	S-38443-092308-KMV-004 S-38443-092308-KMV-003 S-38443-092308-KMV-002 S-38443-092308-KMV-001	4 6 8 13	well graded brown sand and gravel fill with large cobbles 0-4.25ft, 7-inch black sand layer at 1.7ft, poorly graded moist gray sand fill 4.25-6.5ft, poorly graded, moist, black sand fill 6.5-13ft	concrete, car springs, molten plastic/resin (olive colored), rubber hose, foundry sand, and small metal container with metal shavings	13	707.39	13	707.39	2.0
TP2	September 24, 2008	S-38443-092408-KMV-005/D S-38443-092408-KMV-006/D	1 5	fine grained, poorly graded, moist, brown sand fill 0-1.75ft, grey, moist, silt 1.75-7ft	wood, concrete, and metal shavings	6		7	706.96	1.0
TP3	September 24, 2008	S-38443-092408-KMV-007/D S-38443-092408-KMV-008/D S-38443-092408-KMV-009/D F-38443-092408-KMV-010 S-38443-092408-KMV-011/D	4 9 14 10 16	fine to coarse grained, well graded, moist, brown sand and gravel fill 0-4.5 ft, mixture of black and foundry sands 2ft, compact to loose, medium grained, moist, black sand fill 4.5-16.2ft	large concrete pieces, rubber mat, concrete building blocks, scrap metal, 4-inch diameter steel pipe, foundry sands, re-bar, twelve 20 gallon poly tanks, three crushed steel drums, and "oil boom socks"	16		16.2	709.43	1.0
TP4	September 24, 2008	S-38443-092408-KMV-012/D S-38443-092408-KMV-013/D S-38443-092408-KMV-014/D	5 10 19	compact, fine to coarse grained, well graded, moist, dark brown sand and gravel fill with large cobbles 0-6ft, compact, medium grained, poorly graded moist, gray/black sand fill 6-18.6ft	blocks, slag, wood, foundry sands, circular pieces of mica, glass, metal strips, window glass, wire and tin	NA	NA	18.6	712.73	0.0
TP5	October 6, 2008	S-38443-100608-KMV-054/D S-38443-100608-KMV-055/D S-38443-100608-KMV-056/D	8 12 17	compact, fine grained, poorly graded, moist, brown sand fill 0-13 ft, odor at 12 ft, moist, well graded brown sand and gravel with some cobble 13-24 ft	wood, wires, pieces of metal, paper, glass bottles, tin cans, wood blocks, concrete blocks, slag, tires, newspapers, fan belts and rubber	NA	NA	24		189.3
TP6	October 6, 2008	S-38443-100608-KMV-057/D S-38443-100608-KMV-058/D	11 20	compact, fine to medium grained, well graded, moist, black sand with some gravel 0-17.5 ft, medium to coarse grained, well graded, moist, brown sand and gravel with some cobble 17.5-22	wire, glass bottles, small pieces of metal, asphalt, tin cans, metal strips, mica, copper, lots of 2 gallon tin buckets and coils	NA	NA	22		0.0
TT1	September 26, 2008	S-38443-092608-KMV-018/D S-38443-092608-KMV-019/D	8 15	compact, medium to coarse grained, well graded, moist, brown sand and gravel fill 0-10 ft, compact, fine to coarse grained, well graded, moist, brown sand and gravel with some cobble 10-15ft	small glass bottles, broken porcelain dishes, old faded poly sheeting, scrap metal and slag	NA	NA	15		0.0
TT2	September 26, 2008	S-38443-092608-KMV-020/D S-38443-092608-KMV-021/DMS/MSD	9 14	58 ft from western fence line, dense, fine to coarse grained, well graded, cemented, moist, grey/dark brown sand and gravel fill with some silt, some clay, cobbles 0-13.5ft	slag, poly sheeting, concrete and stumps	13.5		13.5		0.0
TT3	September 29, 2008	S-38443-092908-KMV-022/D S-38443-092908-KMV-023/D	5 10	compact, fine grained, poorly graded, moist, black/brown sand fill 0-11ft, compact, fine grained, poorly graded, moist, beige sand 11-15 ft, dense, medium to coarse grained, well graded, very moist, brown sand and gravel 15-16 ft	glass (light bulbs, amber bottles, small glass pieces), bricks, old poly sheeting, tin, concrete blocks	16		16.5		0.0
TT4	September 29, 2008	S-38443-092908-KMV-024/D S-38443-092908-KMV-025/D S-38443-092908-KMV-026/D S-38443-092908-KMV-027/D S-38443-092908-KMV-028/D	3 - 9 12 20	well graded sand and gravel fill with pea stone fill 0-2.4ft, dark brown layer with a 2" red layer 2.4-4.7 ft, white layer of line-like material 4.7-6.0 ft, fine, poorly graded sand fill with some well graded gravel 6-12.7ft, dense, medium to coarse grained, well graded, moist beige sand and gravel with cobble 12.7-20 ft	glass, tin and rubber hose	20		20		0.0
TT5	September 30, 2008	S-38443-093008-KMV-029/D S-38443-093008-KMV-030/D S-38443-093008-KMV-031/D S-38443-093008-KMV-032/D	3 7 14 17	compact, fine grained, poorly graded, moist, brown/black sand fill 0-15.2 ft, poorly graded reddish sand 5-8.3 ft, compact, fine grained, poorly graded, moist, brown/black sand fill 8.3-15.2 ft, dense, medium to coarse, well graded, moist, beige sand and gravel 15.2-19.6 ft	wood timber, glass bottles, scrap metal, bricks, little slag and asphalt	NA	NA	19.6		0.0
TT6	no samples obtained				asphalt					
TT7	October 7, 2008	S-38443-100708-KMV-061/D S-38443-100708-KMV-062 S-38443-100708-KMV-063/D	6 10 16	compact, fine grained, poorly graded, moist, black sand with some gravel 0-17 ft, odor noted at 6 ft, medium to coarse grained, well graded, moist, brown sand and gravel with some cobble 17-20 ft	bricks, tile, wood, concrete and newspapers	NA	NA	20		3.6

TABLE 3

Test Pit/ Test Trench	Test Pit / Test Trench Excavation Date	Sample ID	Sample Depth (ft)	Stratigraphy	Waste Types	Depth to Water (ft bgs)	Water Elevation (ft amsl)	Excavation Depth (ft bgs)	Bottom Elevation (ft amsl)	Maximum PID Reading (ppm)
TT8	October 6, 2008	S-38443-100608-KMV-050 /D S-38443-100608-KMV-051 /D	4 15	compact, fine grained, poorly graded, moist, gray/black sand fill with some gravel and some silt 0-11 ft, medium to coarse grained, well graded, moist, brown sand and gravel with cobbles and a little silt 11-22 ft	brick, glass, scrap metal, broken dishes, clay drainage tile, wood, foundry sands and multi-color layers of cords	NA	NA	22		1.1
TT9	October 3, 2008	S-38443-100308-KMV-047 /D S-38443-100308-KMV-048 /D S-38443-100308-KMV-049 /D	7 17 22	compact, fine to coarse grained, well graded, moist, black sand and gravel fill 0-22 ft, odor present at 7 ft	glass, slag, concrete, mop heads, broken stain glass windows and glass milk bottles	NA	NA	22		239.6
TT10	October 3, 2008	S-38443-100308-KMV-044 /D S-38443-100308-KMV-045 /D S-38443-100308-KMV-046 MS/MSD	5 10 15	dense, fine to coarse grained, well graded, moist, brown sand and gravel fill with cobbles 0-2.5 ft, foundry sand 2.5-12.5 ft, compact, medium grained, poorly graded, moist, black sand with some silt 12.5-18.5 ft, medium to coarse grained, well graded, moist, brown sand and gravel with some cobble 18.5-	wood timbers, glass bottles, scrap metal, bricks, little slag, asphalt and concrete blocks	21.5		21.5		1.0
TT11	October 2, 2008	S-38443-100208-KMV-041 /D S-38443-100208-KMV-042 /D S-38443-100208-KMV-043 /D	5 10 21	dense, fine to coarse grained, well graded, moist, brown sand and gravel fill with cobbles 0-20.5 ft, a little silt ad clay at 8 ft, mainly brown sand and gravel with cobbles at 13 ft, medium to coarse grained, well graded, gray/brown sand and gravel fill 20.5-21.5	cobbles, concrete, metal sign, asphalt, pieces of wood, bricks, large pieces of concrete, pieces of metal pipe, steel bumpers used to guard loading docks	21.5		21.5		0.0
TT12	October 2, 2008	S-38443-100208-KMV-038 /D S-38443-100208-KMV-039 /D S-38443-100208-KMV-040 /D	5 10 21	dense, fine to coarse grained, well graded, moist, dark brown/black sand and gravel fill 0-9 ft, fine to coarse grained, well graded, moist, light brown sand fill 9-12 ft, compact, medium to coarse grained, well graded, moist, brown sand with some gravel 19-22 ft	bricks, asphalt, concrete, slag and pieces of clay tile pipe	21.5		22		0.0
TT13	September 25, 2008	S-38443-092508-KMV-017 /D	7	compact, fine to coarse grained, well graded, moist, brown sand and gravel fill with cobbles 0-3.5 ft, compact, fine to coarse grained, well graded, moist, brown native sand and gravel with cobbles 3.5-7.2 ft	bricks and asphalt pieces	21		21		0.0
TT14	September 25, 2008	S-38443-092508-KMV-015 /D	3	compact, fine to coarse grained, well graded, moist, brown sand and gravel fill with large cobbles 0-4 ft	iron rods, bricks, concrete, wood, metal sheet and clay drainage tile	3		4		0.0
TT15	September 25, 2008	S-38443-092508-KMV-016 /D	8.6	from south end of trench to 10-feet north, compact, fine to coarse grained, well graded, moist, brown native sand and gravel with large cobbles, 10-feet to 24-feet total trench length, fill with sand and gravel, cobbles 0-8.8 ft	wood timbers, plastic drinking bottles, Styrofoam, concrete pieces, pieces of plywood, small pieces of metal brick, asphalt, and large pieces of slag	9.3		10		0.0
TT16	September 30, 2008	S-38443-093008-KMV-033 /D	2	compact, fine to coarse grained, well graded, moist, brown sand and gravel fill 0-9 ft	concrete blocks, concrete with re-bar, asphalt, bricks and wood	7		9		-
TT17	September 30, 2008	S-38443-093008-KMV-034 /D S-38443-093008-KMV-035 /D	5 14	loose, fine grained, poorly graded, moist, brown sand and gravel fill 0-14 ft	large concrete pieces, re-bar, wood, scrap metal, bricks and stumps	NA	NA	14		0.0
TT18	October 1, 2008	S-38443-100108-KMV-036 /D S-38443-100108-KMV-037 /D	5 12	compact, fine to coarse grained, well graded, moist, brown/black sand and gravel fill 0-3 ft, compact, very fine grained, poorly graded, gray/black sand fill with some little gravel 3-10 ft, compact, medium grained, poorly graded, gravel with little fine sand 10-12 ft	wood timber, strong odor, railroad ties, bricks, scrap metal and very large concrete slab at 6.2 ft	12		12		0.0
TT19	October 7, 2008	S-38443-100708-KMV-059 /D S-38443-100708-KMV-060	7 9	compact, fine grained, poorly graded, moist, brown sand fill 0-8 ft, medium to coarse grained, well graded, moist, brown native sand and gravel with cobble 8-14.5 ft	glass milk bottles, bricks, scrap metal, clay resistors, slag and concrete blocks	13		14.5		0.0

TABLE 3

TEST PIT AND TEST TRENCH INVESTIGATIONS
SOUTH DAYTON DUMP AND LANDFILL SITE
MORAIN, OHIO

Test Pit/ Test Trench	Test Pit/Test Trench Excavation Date	Sample ID	Sample Depth (ft)	Stratigraphy	Waste Types	Depth to Water (ft bgs)	Water Elevation (ft amsl)	Excavation Depth (ft bgs)	Bottom Elevation (ft amsl)	Maximum PID Reading (ppm)
TT20	October 7, 2008 October 8, 2008	S-38443-100708-KMV-065 /D S-38443-100708-KMV-064 /D S-38443-100808-KMV-071	7 15 -	compact, fine grained, poorly graded, moist, dark black/brown sand fill 0-10 ft, fine grained, poorly graded dark brown sand fill with some silt 10-19 ft, fine grained, poorly graded gray sand fill 19-25 ft	bricks, glass, piece of metal, plastic and metallic sand	NA	NA	25		0.0
TT21	October 8, 2008	S-38443-100808-KMV-070 /D S-38443-100808-KMV-068 /D S-38443-100808-KMV-069 /D	7 8 21	compact, fine to coarse grained, well graded, moist, dark gray/black sand and gravel fill 0-3 ft, compact, fine grained, poorly graded, moist, gray sand with a slight odor 3-22 ft, medium to coarse grained, well graded, moist, brown sand and gravel with cobble 22-26 ft	concrete pad, brick, glass, pieces of scrap metal, wire, small pieces of concrete, wood blocks, gear parts, spark plugs, springs, metal pail, iron bar and slag	NA	NA	26		66.2
TT22	October 8, 2008	S-38443-100808-KMV-066 /D S-38443-100808-KMV-067 /D	6 21	Asphalt 0-6", compact, fine to coarse grained, well graded, moist, black sand and gravel with odor 6"-6 ft, fine grained, poorly graded gray sand with odor 6-24 ft, medium to coarse grained, well graded, moist, brown sand and gravel with cobble and odor 24-25.7 ft	brick, wood, concrete, plywood, electrical wiring, scrap metal, slag and glass	NA	NA	25.7		91.4
TT23	October 6, 2008	S-38443-100608-KMV-052 /D S-38443-100608-KMV-053 /D	7 18	compact, fine grained, poorly graded, moist, gray/black sand and gravel fill with some silt 0-12 ft, medium to coarse grained, well graded, moist, brown sand and gravel with cobble 12-22 ft	scrap metal and glass	NA	NA	22		0.0

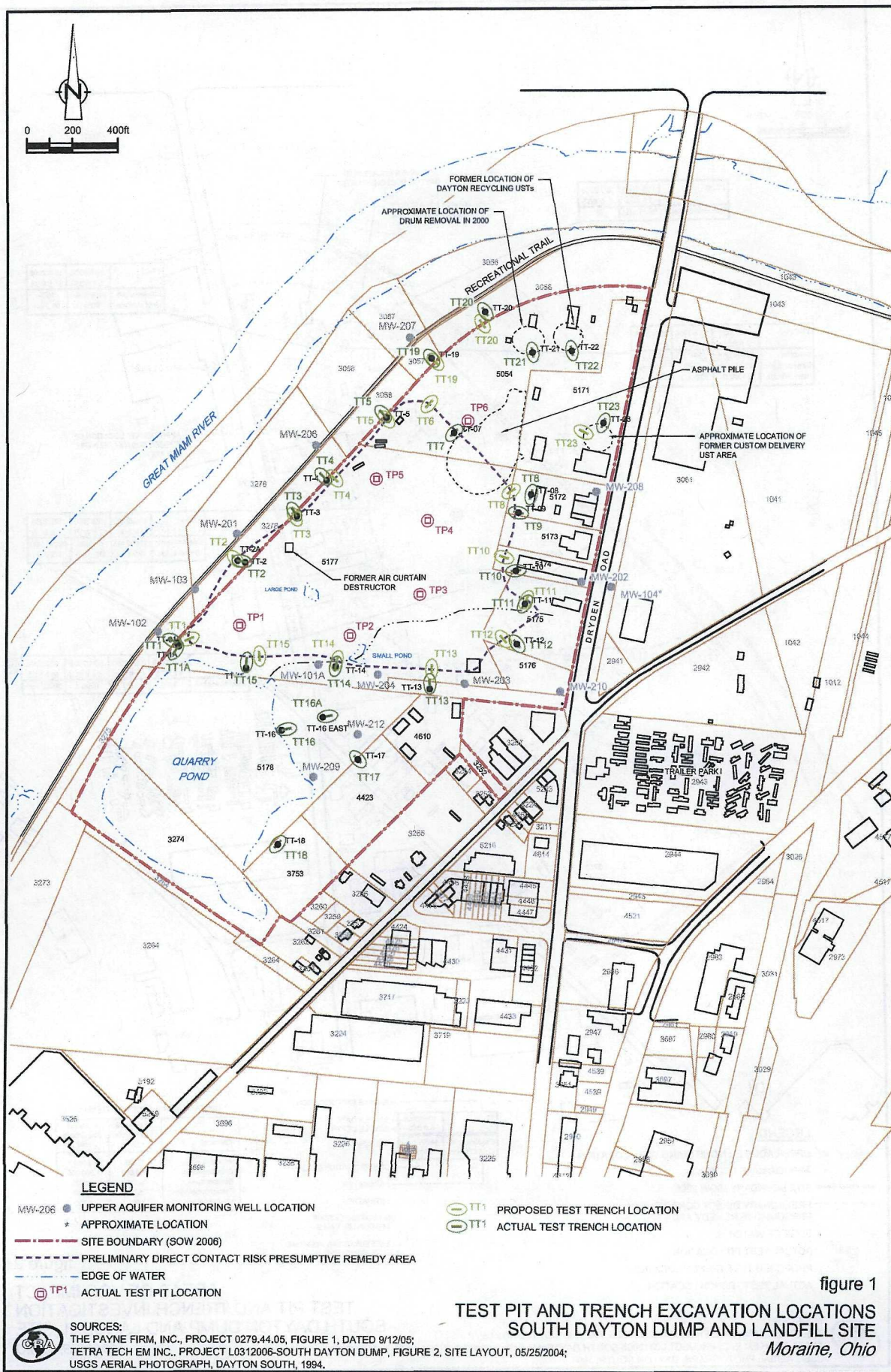


figure 1

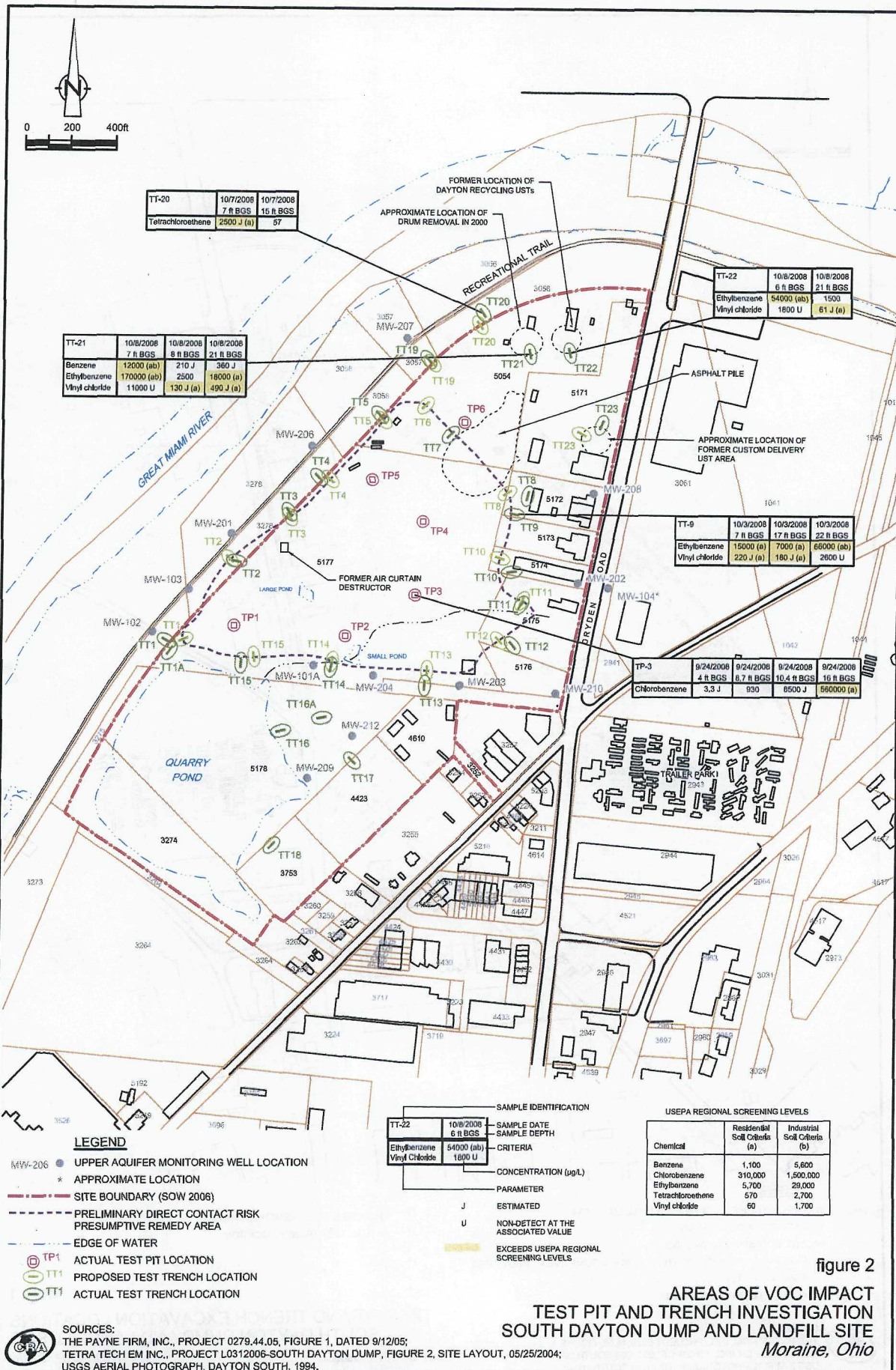


figure 2
**AREAS OF VOC IMPACT
 TEST PIT AND TRENCH INVESTIGATION
 SOUTH DAYTON DUMP AND LANDFILL SITE
 Moraine, Ohio**

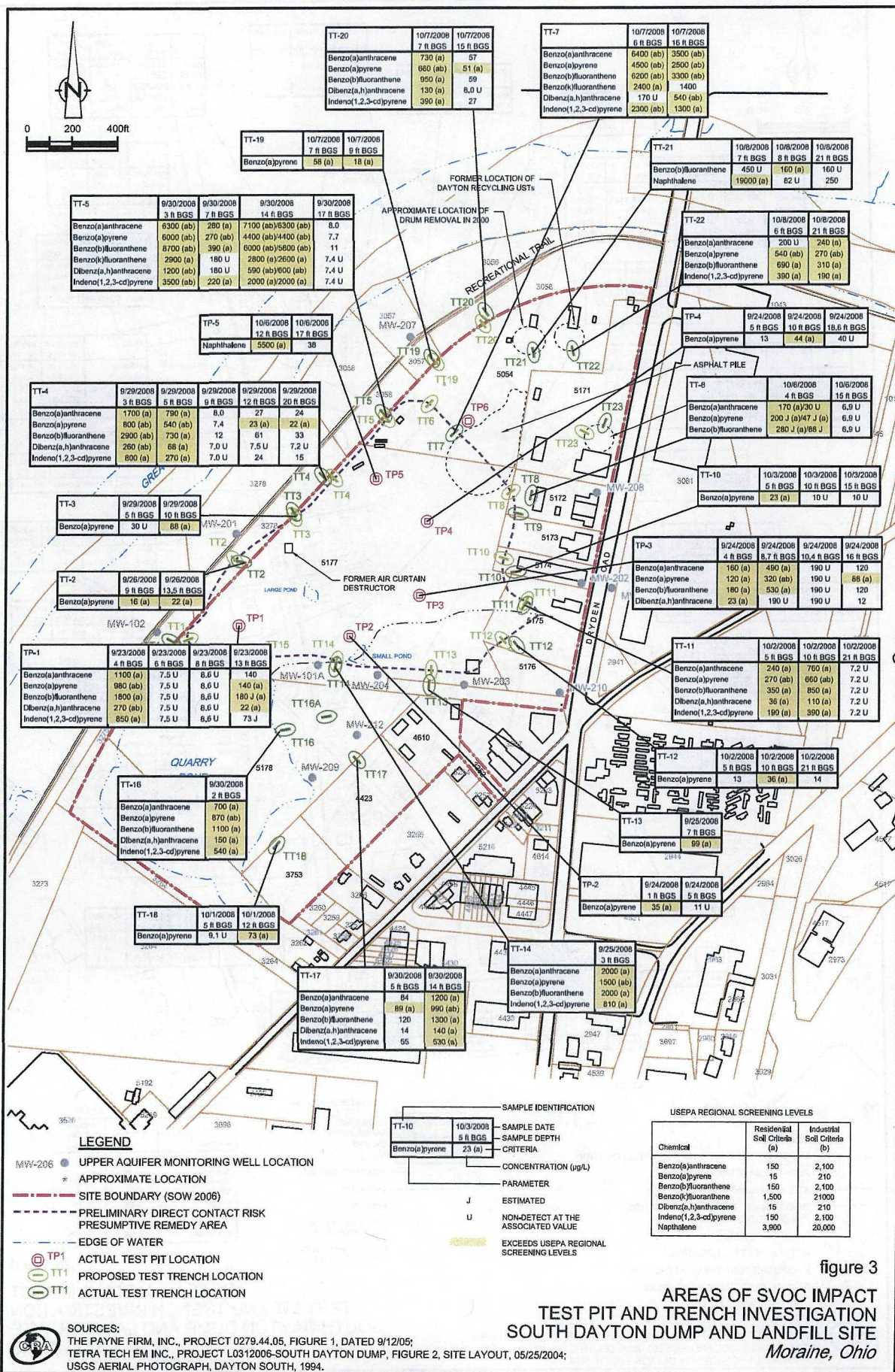


figure 3

AREAS OF SVOC IMPACT TEST PIT AND TRENCH INVESTIGATION SOUTH DAYTON DUMP AND LANDFILL SITE Moraine, Ohio

